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## **HB TAN – APR**

### **SYNTHETIC TANNING AGENT, BASED ON AQUEOUS ACRYLIC POLYMERS.**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Transparent yellowish viscous liquid.
Solids Content	: 37 +/-2%
pH	: 4-5.5
Solubility	: Soluble in warm water

#### **SPECIFIC PROPERTIES :**

- \* Soft supple and fuller handle with fine grain.
- \* Good penetration and distribution properties.
- \* Very much compatible with synthetic and vegetable tanning agent
- \* Excellent grain compactness and belly fuller properties.
- \* Good light fastness property, suitable for white leather.
- \* Very good dye distribution properties.
- \* Excellent exhaustion of chrome from tanning bath and improves fixation.

#### **MODE OF APPLICATION:**

**HB TAN - APR** a versatile synthetic tanning agent suitable for all kind of leathers where soft, fuller and compact fine grain is required specially filling property loose flank & belly area.

It can be used in re-chroming and in chrome tanning bath.

Percentage may vary from 2-4 % depending up on the desired effect required.

## **HB TAN – GTA**

### **HIGH PERFORMANCE AQUEOUS EMULSION OF GLUTARALDEHYDE TANNING AGENT.**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Transparent yellowish liquid.
Solid Content	: 50±2%
pH	: 3.0 – 4.0
Solubility	: Soluble in water.

#### **SPECIFIC PROPERTIES :**

- \* Very much compatible with vegetable and synthetic tanning agent and pickle acids and natural salts.
- \* Imparts fine and smooth grain.
- \* Improves stitch tear resistance, especially for cow calf and sheep, goat skin.
- \* Soft and supple handle.
- \* It imparts good shrunken grain effect while using in higher Ph.
- \* While using in chrome bath, it gives excellent exhaustion property.
- \* It can also be used as pre- tanning agent in vegetable tanning.
- \* It imparts excellent dyeing properties.

#### **MODE OF APPLICATION:**

**HB TAN – GTA** is an high quality Glutaraldehyde tanning agent which very much suitable for all kind of leathers, specially for calf and skin where stitch tear resistance and fine smooth grain is required.

**Recommended Percentage:**

- \* In pickle bath 1-1.5% on pelt weight.
- \* In re-chroming 2-2.5% on shaved weight.
- \* In Re-tanning and dyeing after dye 1-2% on shaved weight.

## **HB TAN –MR**

### **SYNTHETIC TANNING AGENT BASED ON MELAMINE RESIN**

#### **PHYSICAL SPECIFICATION:**

Appearance	: White to Creamish Powder
Solid content	: 95% +/- 2%
PH (10% Sol.)	: 7-9
Nature	: Anionic

#### **SPECIFIC PROPERTIES:**

- \* Excellent fuller properties, particularly in loose structure.
- \* Imparts compact and fine grain.
- \* Very good dyeing properties.
- \* Soft and smooth handle on grain.

#### **MODE OF APPLICATION:**

**HB TAN – MR** a versatile tanning agent suitable for all kind of leather where fuller handle and compact grain is required.

Also suitable for suede and nubuck leather as it does not create buffing problem.

Specially recommended for milled leather to achieve the fine milling properties.

Percentage may vary from 2 % to 6 % depending up on the desired article required.

## **HB TAN -RS**

### **SYNTHETIC REPLACEMENT TANNING AGENT BASED ON PHENOL CONDENSATION**

#### **PHYSICAL SPECIFICATION:**

Appearance	: creamish powder
Solid content	: 95% +/- 2%
PH (10% Sol.)	:3-4
Solubility	: Soluble with normal water.

#### **SPECIFIC PROPERTIES :**

- \* Excellent filling properties.
- \*Impart tight and compact grain.
- \* Soft and supple handle.
- \*Good light fastness.
- \*Impart high yield along with vegetable tanning agent.
- \* Prevent sludge formation.

#### **MODE OF APPLICATION:**

**HB TAN -RS** a very special type of replacement syntan which suitable for all kind of leathers

Percentage may vary from 2-6 % depending up on the desired effect.

## **HB TAN -GSP**

### **VEGETABLE TANNING EXTRACT BASED ON MIMOSA TYPE CATHECOL.**

#### **PHYSICAL SPECIFICATION:**

Appearance	: Light yellow powder
Solid content	: 95% +/- 2 %
Ph (10% Sol)	: 5-6
Solubility	: Soluble in water.

#### **SPECIFIC PROPERTIES :**

- \* Imparts excellent fullness to the leather.
- \* Produce fine grain.
- \* Low bleaching properties.
- \* Soft and supple handle.

#### **MODE OF APPLICATION:**

**HB TAN -GSP** a very special type of vegetable tanning extract suitable for all kind of leathers.

Percentage may vary from 2-10 % depending up on the desired effect required.

## **HB TAN – EXT**

### **HIGH PERFORMANCE VEGETABLE EXTRACT BASED ON MIMOSA TYPE CATHECOL.**

#### **PHYSICAL SPECIFICATION:**

Appearance	: Light yellow brown powder
Solid content	: 95 %+/- 2 %
Ph(10%)	: 5-6
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES :**

- \* Imparts excellent fullness throughout the leather.
- \*Uniform penetration.
- \*Low bleaching properties
- \*Produce compact and fine grain.
- \*Soft and fuller handle.

#### **MODE OF APPLICATION:**

**HB TAN-EXT** is a very fine particle high quality vegetable extract, suitable for all kinds of leather where good fullness and vegetable properties is required.

It also produces uniform dyeing property.

Percentage may vary from 2-10% depending upon the desired effect required.

## **HB TAN -DCR**

### **SYNTHETIC TANNING AGENT BASED ON NITROGEN CONTEN DICYANDIAMIDE RESIN**

#### **PHYSICAL SPECIFICATION:**

Appearance	: Pale Brown Powder
Solid Content	: 95% -/= 2%
Ph(10%Sol.)	: 8-9.5
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Imparts fine and compact grain.
- \*Soft and supple handle.
- \*Good Buffing properties.
- \*Imparts fuller and round properties.
- \* Imparts tight and flexible grain.
- \*No astringency.

#### **MODE OF APPLICATION:**

**HB TAN -DCM** is a nitrogen containing polymer resin suitable for all kinds of leather, especially where tight flexible grain is required.

Percentage may vary from 2-6 % depending up on the desired effect required.

## **HB TAN - GMB**

### **VEGETABLE TANNING EXTRACT POWDER BASED ON GAMBIER TYPE PYROGALLOL**

#### **PHYSICAL SPECIFICATION:**

Appearance	: Dark brown powder
Solid content	: 94% +/- 2%
PH (10%Sol.)	: 3-4
Solubility	: Soluble in water.

#### **SPECIFIC PROPERTIES :**

- \*Soft and supple handle.
- \*Impart fine and compact grain.
- \*Improves excellent reactivity.
- \*Outstanding round feel and fullness to the leather.
- \*Impart burnish ability to the leather.

#### **MODE OF APPLICATION:**

**HB TAN-GMB** is an high quality vegetable extract suitable for all kinds of leather.

Percentage may vary from 4-10 % depending up on the desired effect required.

## **HB TAN –ARE**

### **SYNTHETIC TANNING AGENT BASED ON AQUEOUS ACRYLIC POLYMERS .**

#### **PHYSICAL SPECIFICATION:**

APPEARANCE	: Transparent yellowish viscous liquid
Solid Content	: 37 +/-2%
PH	: 5-6
Solubility	: Soluble in warm water.

#### **SPECIFIC PROPERTIES :**

- \*Imparts excellent fullness to the leather.
- \*Produces tight and compact with finer grain.
- \*Does not cause the coarser grain.
- \*Uniform distribution and penetration.
- \*Very much compatible with vegetable and synthetic tanning agent.
- \*Very good light fastness property, suitable for white leather.
- \*Very good dye labelling property.

#### **MODE OF APPLICATION**

**HB TAN –ARE** is a high performing synthetic tanning agent, suitable for all kind of leathers where good fullness and compact grain is required.

Recommended to use after the proper neutralization.

Percentage may vary from 3-5 % on shaved weight, depending on the desired effect required.

## **HB TAN - ARF**

### **SYNTHETIC TANNING AGENT BASED ON AQUEOUS ACRYLIC POLYMERS**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Whitish highly viscous liquid
Solid Content	: 31 +/- 2%
PH	: 4-5
Solubility	: Soluble in water

#### **SPECIFIC PROPERTY :**

- \*Imparts fine and compact grain.
- \*Excellent filling property in empty space of the leather.
- \*Improves fullness and body for poor substance.
- \*Excellent penetration and distribution property throughout the leather.
- \*Very good tightness property to the loose papillary.
- \*Imparts good flexibility to the grain.
- \*Very good light fastness property, suitable for white and pastel color.
- \*Excellent stability in chrome bath.
- \* Very good bath exertion property during chrome tanning.
- \*Imparts very good fullness and body while using in chrome tanning after basification.
- \*Excellent compatibility with synthetic and vegetable tanning.

## **MODE OF APPLICATION**

**HB TAN -ARF** is a very special type of filling syntan, suitable for all kind of leathers where good body and Fullness is required.

Percentage may vary from 2- 6 % depending up on the desired effect during Re - chroming.

Specially recommended during chrome tanning 1.5-2.5 % after the basification, to improve the fullness and thickness of the final crust.

## **HB SOFT - NWA**

### **NON-IONIC SOAKING AND WETTING AGENT**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Clear liquid
Solid Content	: 22+/- 1 %
PH	: 7-8
Ionicity	: Non -ionic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Uniform and deep penetration
- \*Uniform soak back property
- \*Less soaking time
- \*Does not form any looseness
- \*Excellent dirt cleaning properties

#### **MODE OF APPLICATION:**

**HB SOFT -NWA** is a high performing non-ionic wetting agent specially designed for wet blue and crust soaking for all kind of leathers.

Percentage of use may vary from 0.25% - 2 % depending up on the desired soak back required.

## **HB TAN - NS**

### **NEUTRALIZATION SYNTAN BASED ON AROMATIC NAPHTHALENE SULPHONIC ACID CONDENSATE**

#### **PHYSICAL SPECIFICATION:**

Appliance	: Light yellowish brown Powder
Active content	: 95 +/- 2 %
PH	: 8 - 9
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Uniform and throughout penetration
- \*Controlled PH maintained throughout the leather
- \*Imparts smooth grain without cracking
- \*Very good dye leveling property
- \*Imparts good buffing property
- \*Mild tanning property

#### **MODE OF APPLICATION:**

**HB TAN -NS** is a universal neutralizing tanning agent specially designed for uniform neutralization for all kind of leathers. Percentage may vary from 1-3 % depending up on the desired result required.



## HB SOFT - LB 198

### ANIONIC LECITHIN BASED FAT LIQUORING AGENT COMBINATION OF SYNTHETIC & NATURAL PHOSPHOLIPIDS & SOFTENER

#### PHYSICAL SPECIFICATIONS:

Appearance	: Yellowish brown paste
Solid content	: 52 + /- 2 %
PH	: 8 - 9
Ionicity	: Anionic
Solubility	: Soluble in warm / hot water

#### SPECIFIC PROPERTIES:

- \*Uniform penetration and soft feel
- \*Imparts excellent fullness and roundness with out  
Any looseness
- \*Produce warm and smooth surface touch
- \*Imparts good buffing property while using in Nubuck  
and suede leather with good luster.
- \*Imparts light weight
- Very good light fastness property

#### MODE OF APPLICATION:

**HB SOFT -LB 198** is a very special type of fat liquor designed for nappa, garment goods and she upper where uniform softness and good body with surface touch required.

Very much suitable for Suede and Nubuck leather for good feel and luster.

In nappa and garment produce excellent softness and smooth waxy silky touch.

Percentage may vary from 2- 5 % depending up on the desired article and effect required.

*This information based on our present state of knowledge and without any obligation.*

## **HB SOFT - LH 180**

### **SYNTHETIC FAT LIQUORING AGENT BASED ON COMBINATION OF OIL AND SPECIAL AGENTS & ADDITIVES**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Light brownish liquid
Solid Content	: 52 + /- 2 %
PH	: 7 - 8.5
Ionicity	: Non-Ionic
Solubility	: Soluble in warm /Hot water

#### **SPECIFIC PROPERTIES:**

- \*Electrolyte and highly acid stable property
- \*Excellent softness and lubricating property
- \*Very good light fastness property
- \*Due to excellent dispersing property very good buffing property
- \*Imparts flatter grain with good lubrication while using Re-chrome tanning
- \*Reduce wrinkle & growth mark while using in wet blue tanning
- \*Excellent wet back property with uniform softness
- \*Due to its good dispersing very good for suede & Nubuck Leather
- \*Imparts light weight with excellent softness

## **MODE OF APPLICATION:**

**HB SOFT - LH 180** is a versatile fat liquoring agent suitable for all kind of veg and synthetic tan leathers.

Thanks to its highly lubricating property, while using in pickle bath & chrome tanning. It helps dispersion of the natural fats and imparts tensile strength & flatter wet blue.

Percentage may vary from 0.5 - 4 % depending up on the desired effect is required

Suggested percentage can be applicable -

In Pickle bath	= 1-1.5 %
In Re-chroming	= 1-12 %
In Retaining	= 0.5-1%
In main Fail	=1-2 %

## **HB SOFT - S 148**

### **SYNTHETIC FAT LIQUORING AGENT BASED ON SULPHONATED ESTER WITH SPECIAL ADDITIVES**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: whitish past type
Solid content	:60 +/- 2 %
PH	:7.5 - 8.5
Ionicity	: Anionic
Solubility	: Soluble in warm / hot water

#### **SPECIFIC PROPERTIES:**

- \*Imparts excellent softness throughout the leather
- \*Provide very good body and fuller handle
- \*Smooth & little waxy surface touch
- \*Uniform distribution and penetration
- \*Impart light weight
- \*Excellent light fastness property

#### **MODE OF APPLICATION:**

**HB SOFT - S 148** is a very high performing fat liquoring agent Specially designed for all kind of leather where excellent softness and suppleness, without creating any looseness on the leather.

Recommender percentage may vary from 4- 10 % depending up on the desired effect and articles.

Suggested application percentage as under -

For Shoe upper	= 4- 6 %
For Shoe Nappa.	= 5 -8 %
For NDM	= 6-8 %
For Garment	= 6- 8 %
For Bag leather	= 6 - 8 %

## **HB SOFT - S 149**

### **HIGH PERFORMANCE SYNTHETIC FAT LIQUORING AGENT BASE ON ESTERS AND SPECIAL ADDITIVES**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Radish brownish liquid
Solid Content	: 62 + /- 2%
PH	: 7.5 - 8.5
Ionicity	: Anionic
Solubility	: Soluble in warm/Hot water

#### **SPECIFIC PROPERTIES:**

- \*Highly penetrating and distributions property
- \*Imparts excellent softness and fuller body
- \*Smooth and silky surface touch
- \*Excellent light fatness property
- \*Imparts light weight
- \*High dispersing property

#### **MODE OF APPLICATION:**

**HB SOFT - S 149** is an high grade synthetic fat liquor agent suitable for all kinds of leather.

Very much recommended for shoe upper, bag and garment leather where very good softness and fuller handle required.

Percentage may vary from 4- 10 % depending up on the degree of softness and effect required.

Recommended percentage

For Shoe upper	= 4- 6 %
For Shoe nappa	= 4 - 8 %
For Bag Leather	= 3 - 7 %
For Garment Leather	= 5 - 10 %

## **HB SOFT - SF 100**

# **HIGH PERFORMANCE DISPERSING AND WETTING AGENT IN ANIONIC NATURE**

### **PHYSICAL SPECIFICATIONS:**

Appearance	: Clear, little yellowish liquid
PH	: 7 - 8.5
Ionicity	: Anionic
Solubility	: Soluble in water

### **SPECIFIC PROPERTIES:**

- \*Excellent dispersing and wetting action
- \* Very good disperse and extract grease and natural fat from Leathers
- \*Uniform wet back properties for wet blue and crust
- \*Very good chrome uptake during wet blue tanning and Re-chroming
- \* Increase chemical uptake and reducing wastage for effluent Load
- \* Improve mellowness and soft handle to the leather
- \*Thanks to its special property to improve tensile strength Of the leather

### **MODE OF APPLICATION:**

**HB SOFT - SF 100** is a very unique dispersing and wetting agent, especially designed for all kind of leathers.

Suitable for vegetable, chrome and mineral tanning process.

It can be used at any stage of the process Re-chroming, fat liquoring, pickle bath and wet back of crust.

Percentage may vary from 0.5 - 3 % depending up on the desired effect required.

## **HB SOFT - PE 199**

### **HIGH QUALITY SYNTHETIC FAT LIQUORING AGENT BASED ON POLYMERIC ESTERS**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Opaque viscous liquid
Solid Content	: 45 +/-2 %
Ph	: 7- 8
Ionicity	: Anionic
Solubility	: Soluble in warm / hot water

#### **SPECIFIC PROPERTIES:**

- \*High degree of softness
- \*Imparts excellent fulness and compact grain
- \*Excellent fluffyness for nuppa leather
- \*Produce light weight to the leather
- \*Very good lightfastness
- \*Smooth surface touch
- \*Uniform distribution and penetration property

#### **MODE OF APPLICATION:**

**HB SOFT -PE 199** is a very special type of polymeric fat liquoring agent, especially designed for all kind of leather where very good softness with fuller body is required.

Thanks to its property to produce smooth and fine grain without loosening the grain.

Percentage may vary from 2 - 6 % depending up on the desired Article and effect required.

Suggested percentage:

\*For sheep Nappa 2-4 %

\*For Shoe Nappa 3-5 %

\*For Bag Leather 2-4 %

\*Shoe Upper 3-5 %

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## **HB SOFT - SF 609**

### **HIGH PERFORMANCE FAT LIQUORING AGENT BASED ON SULPHITED FISH OIL MODIFIED WITH SYNTHETIC SOFTENER**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Brownish Liquid
Solid Content	: 62+/-2 %
PH	: 7.5 - 8.5
Ionicity	: Anionic
Solubility	: Soluble in Warm / hot water

#### **SPECIFIC PROPERTIES:**

- \*Excellent softness throughout the leather
- \*Uniform and deep penetration to the leather
- \*Imparts excellent fuller body
- \*Produce lighter weight
- \*Improves excellent tear strength to the leather
- \*Does not migrate once it fixed with the fiber

#### **MODE OF APPLICATION:**

**HB SOFT -SF 609** is an high quality versatile fish oil base fat liquoring agent, suitable for all kinds of leather.

Highly stable with all vegetable and chrome and mineral tanned leathers.

Quantity may vary from 2-6 % depending up on the desired effect and softness required.

When it used in main fat liquor it's improve the softness and Fullness.

## **HB SOLV -1202**

### **COMBINATION OF LOW VOLATILE SOLVENTS MISCIBLE IN WATER.**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Transparent Liquid
Solid Content	: 100 %
Ionicity	: Non-Ionic
Solubility	: Soluble in water & solvents

#### **SPECIFIC PROPERTIES:**

- \*Uniform and deep penetration
- \*Rate of evaporation low
- \*Excellent solubility
- \*Compatible in cationic, Anionic & Non ionic
- \*Excellent performance in Dye staining

#### **MODE OF APPLICATION:**

**HB SOLVE -1202** is a high performing penetrating agent based on mixture of organic solvents.

Thanks to its special property, it can be used in all media. very much suitable for Impregnation system to obtain uniform distribution and penetration.

Also recommended for OIL media both for solvent and water base.

Excellent performance while using in Dye staining coat.

Quantity may vary from 30-200 gm/liters depending upon the desired effect required.

## **HB TEX -SP 15**

### **EMULSION OF PROTEIN MODIFIED WITH WAXES**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Creamish Liquid.
Solid Content	: 13 + /- 1%
PH	: 8-9
Ionicity	: Anionic
Solubility	: Soluble in water ,

#### **SPECIFIC PROPERTIES :**

- \*Soft handle with waxy touch
- \*Very good plate releasing property
- \*Very good polish ability
- \*Good mechanical stability
- \*Excellent heat resistance

#### **MODE OF APPLICATION:**

**HB TEX -SP 15**, is specially designed for anionic base coat for resin finish to reduce the tackiness and improve the mechanical stability while finishing.

Very good for polish finish where rich look and smooth touch is required.

It's also recommended for flesh coat for all kind of buffed leather to prevent the dust.

Quantity may vary from 50-150 grams/liters depending upon the desired finish required.

## **HB WAX - SW 18**

### **EMULSION OF MODIFIED SYNTHETIC WAXES**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Whitish Viscous liquid.
Solid Content	: 13+/- 1%
PH	: 7- 8
Ionicity	: Anionic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES :**

- \*Smooth and waxy surface touch
- \*Excellent plate release property
- \*Good mechanical stability
- \*Impart reduce tackiness property in base coat

#### **MODE OF APPLICATION:**

**HB WAX -SW 18** is designed for all kinds of leather for base coat as well as for top feel to improve the surface touch. It is very much suitable for resin coat to reduce the tackiness and Smooth touch.

Quantity may vary from 50 to 100 gm/liters depending up on the desired effect required.

## **HB CRYL - M 90**

### **EMULSION OF HIGH PERFORMING ACRYLIC POLYMERS**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Translucent liquid
Solid Content	: 32+/- 2 %
PH	: 6.5-7.5
Ionicity	: Anionic
Film	: Medium Soft
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES :**

- \* Excellent flexibility
- \*Very good covering without loading the grain
- \*Uniform penetration and adhesion property
- \*Very good mechanical stability
- \*Very good cold crack resistance
- \* Smooth surface touch
- \*Imparts good fastness property
- \*Tact free film.
- \*Very good light fastness

## **MODE OF APPLICATION:**

**HB CRYL - M90** is a high performing acrylic polymer designed for all kind of resin finishes both corrected and full grain finish.

Quantity may vary from 100-250 grams/liters depending upon the desired finish required.

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## **HB CRYL - S 80**

### **EMULSION OF HIGH PERFORMING ACRYLIC POLYMERS**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Light whitish liquid
Solid Content	: 30 +/- 1%
PH	: 7-8
Ionicity	: Anionic
Film Property	: Soft
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES :**

- \*Thin elastic and fine particle film
- \* Outstanding flexibility with excellent adhesion property
- \*Good covering and uniform penetration
- \* Excellent adhesion property
- \*Good milling property
- \*Good cold crack resistance
- \*Soft and rich film

## **MODE OF APPLICATION:**

**HB CRYL -S 80** is an high quality acrylic polymer suitable for all kind of resin finish leathers where elastic film and good covering with high mechanical stability is required.

Suitable for both full grain and corrected grain leather, especially for soft type leathers.

Quantity may vary from 50-150 grams/liters depending up on the desired finish required.

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## **HB TOP-MW 86**

### **SELF EMULSIFIABLE NITROCELLULOSE MATT TOP**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Clear viscous liquid
Solid Content	: 26+/- 1%
PH	: 4-5
Solubility	: Soluble in water & Solvent

#### **SPECIFIC PROPERTIES:**

- \*Excellent matting effect
- \*Smooth and waxy handle
- \*Excellent wet and dry fastness
- \*Good mechanical stability

#### **MODE OF APPLICATION:**

**HB TOP-MW 86** is a high performing matte top coat suitable for all kind of matte finishes where natural matte look with very good rub fastness is required.

It can also be combined with **HB TOP-SW** for adjusting the desired matt effect.

Dilution may vary from 1:1 or 1:1.5 with water and 1-2 X spay depending upon the desired effect required.

## **HB PUR – KG 119**

### **HIGH PERFORMANCE COMPOUND IN CATIONIC NATURE**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Whitish little viscous liquid.
Solid Content	: 16+/-1 %
PH	: 2.5-3.5
Ionicity	: Cationic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES :**

- \*High covering with uniform levelling properties
- \*Excellent defects hiding properties on the surface of the leather
- \*Highly polishable character
- \*Does not impart over loading the grain
- \*Soft handle and smooth surface touch
- \*Excellent for sheep Grain Off covering

#### **MODE OF USE:**

**HB PUR-KG 119** is a high covering polishable cationic compact, especially designed for base coat for all kinds of leather where up-gradation of selection is required. Very good sealing property for sheep grain-off leather. Excellent sealing property for CG/Full grain leathers.

Quantity may vary from 50-200 grams/liters depending upon the desired effect required.

## **HB FILL- KP 89**

### **HIGH DEGREE POLISHABLE CATIONIC FILLER**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Whitish viscous liquid .
Solid Content	: 15+/- 1 %
PH	: 2.5-3.5
Ionicity	: Cationic
Solubility	: Soluble in water .

#### **SPECIFIC PROPERTIES :**

- \*Good covering with natural matte look
- \*Excellent defects hiding property
- \*Soft and smooth touch while using with cationic base coat
- \*Good polishing property along with cationic ground
- \*Does not give white break
- \*Does not over loading the grain

#### **MODE OF USE:**

**HB FILL -KP 89** is a good cationic filling agent with high degree of covering power.

Specially designed for good covering and hiding the defects while using with cationic base coat.

Suitable for all kinds of leather.

Quantity may vary 20-75 grams/liters depending upon the desired effect required.

## **HB FIX - GAF**

### **AQUEOUS FIXING AGENT BASED ON ALDEHYDE**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Transparent liquid
PH	: 3.5-4.5
Ionicity	: Weakly Cationic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES :**

- \*Excellent fixing property in protein finish
- \*Good behaviour in polishing and glazing operation
- \*Imparts good fixing in cationic finishes

#### **MODE OF USE:**

**HB FIX - GAF** is a very special type of product, designed for protein finishes.

Dilution may vary from 1:1 or 1:0.75 with water and 2X spray.

To get an optimum result it requires sufficient ageing time.

## **HB CRYL- MB 20**

### **AQUEOUS EMULSION OF ACRYLIC CO-POLYMERS WITH MICRO FINE PARTICLE**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Whitish Liquid
Solid Content	: 20+/-1%
PH	: 7 - 8
Ionicity	: Anionic
Film	: Soft
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Very fine particle and thin film
- \*Excellent flexibility
- \*Uniform & rich film property
- \*Very good adhesion with good penetration
- \*Good cold crack resistance
- \*Very good light fastness
- \*Good milling property

#### **MODE OF APPLICATION:**

**HB CRYL -MB 20** is a micro particle acrylic emulsion, especially designed for all kinds of leather where light and thin finish is required.

Very much suitable for garment, shoe nappa and leather goods finishes.

Quantity may vary from 50-150 grams/liters depending upon the desired finish required.

## **HB SOLVE-1202 L**

### **HIGH PERFORMANCE PENETRATING AGENT IN NON-IONIC NATURE**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Transparent Liquid
Active content	: 60+/- 2 %
Ionicity	: Non-Ionic
Solubility	: Soluble in aqueous media

#### **SPECIFIC PROPERTIES:**

- \*Deep and uniform penetration
- \*Low evaporation
- \*Uniform distribution property
- \*Excellent solubility
- \*Compatible in both cationic & Anionic media
- \*Very good for dye staining

#### **MODE OF APPLICATION:**

**HB SOLVE -1202 L** is a versatile unique penetrating agent based on combination of low volatile solvents and special additives.

It is suitable for all kind of cationic and anionic aqueous solution.

Quantity may vary 50-200 grams/liters depending upon the effect required.

## **HB PUR - KH 109**

### **AQUOUS EMULSION OF POLYURETHANE DISPERSION IN CATIONIC NATURE**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Translucent Liquid
Solid Content	: 20 +/-1 %
PH	: 4-5
Ionicity	: Cationic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Excellent adhesion property
- \*Excellent covering without loading the finish
- \*High elastic film
- \*Excellent polish ability
- \*High mechanical stability
- \*Very good milling property
- \*Smooth surface touch and glossy film

#### **MODE OF APPLICATION:**

**HB PUR -KH 109** is an high performing cationic polyurethane dispersion, especially designed for cationic finishes for base and top coat.

Very much recommended for sealing coat both for Corrected grain and Full grain leather.

Quantity may vary from 50-200 grams/Liters depending upon the desired finish.

## **HB PUR - KR 118**

### **HIGHLY REACTIVE COMPOUND BASED ON POLYURETHANE MODIFIED WITH SPECIAL ADDITIVES IN CATIONIC MEDIA**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Whitish liquid
Solid Content	: 11 +/-1%
PH	: 2.5-3.5
Ionicity	: Cationic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Excellent sealing property
- \*Good covering with hiding the open diffracts
- \*Excellent reactivity
- \*Smooth and silky surface touch
- \*Excellent mechanical stability
- \*High heat resistance
- \*Excellent polishing property

#### **MODE OF APPLICATION:**

**HB PUR -KR 118** is a very special type of cationic Compound with high reactivity property. Specially designed for cationic sealing coat where good polishing, levelling and reactivity is required. It imparts very rich look and smooth surface touch. Very much suitable for burnish finish in base coat. Quantity may vary from 50-200 grams/liters depending upon the desired finish required.

# HB PUR- K 109

## ALIPHATIC POLYURATHANE DISPERSION IN CATIONIC NATURE

### PHYSICAL SPECIFICATIONS:

Appearance	: Transparent liquid
Solid Content	: 15 +/- 1%
PH	: 3.5-4.5
Ionicity	: Cationic
Film	: Soft to Medium
Solubility	: Soluble in water

### SPECIFIC PROPERTIES:

- \*Excellent sealing property
- \*Good covering with uniform levelling
- \*High mechanical stability
- \*Good Polishing property
- \*Rich and glossy look
- \*Thin and adherent film
- \*Excellent milling property

### MODE OF APPLICATION:

**HB PUR - K 109** is a highly flexible cationic polyurethane, specially designed for cationic base coat and sealing coat where highly sealing and adhesion property is required.

Suitable for all kind of leathers in cationic system.

Also imparts hiding the open defects.

Quantity may vary from 50-200 grams/liters depending upon the finish required.

## **HB TEX - PC 908**

### **HIGH PERFORMANCE PROTEIN EMULSION IN CATIONIC MEDIA**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Light brownish liquid
Solid Content	: 9+/- 1 %
PH	: 2.4-3.2
Ionicity	: Cationic
Film	: Soft
Solubility	: Suggested with warm water

#### **SPECIFIC PROPERTIES:**

- \* Rich and glossy look
- \* High mechanical stability
- \* Uniform sealing property
- \* Thin and transparent film
- \* Excellent polishing character
- \* Smooth and silky surface touch

#### **MODE OF APPLICATION:**

**HB TEX -CP 908** is a highly mechanical stable cationic protein emulsion, specially designed for cationic sealing and bottom coat.

Suitable for all kind of leathers.

Quantity may vary from 50-150 grams/liters depending upon the finish required.

## HB TOP-MW 88

### NITROCELLULOSE MATT TOP IN AQUOUS MEDIA

#### PHYSICAL SPECIFICATION:

Appearance	: Whitish viscous liquid
Solid	: 22 +/- 1 %
PH	: 7.5-9
Look	: Natural matte look
Solubility	: Soluble in water

#### SPECIFIC PROPERTIES:

- Natural matt look
- Smooth and warm surface touch
- Good milling property
- Excellent wet and dry rub fastness

#### MODE OF USE:

**HB TOP-MW 88** is a unique matting top, suitable for all kinds of leather where natural matte look is required.

It can be used individually as well as combined with **TOP-SW** and **TOP-WG** to adjust the required matting effect.

Dilution may vary from 1:1 or 1:0.75 with water depending upon the desired look required.

## **HB TOP-SW**

### **AQUEOUS AND SOLVENT TOP COAT BASED ON NITROCELLULOSE**

#### **PHYSICAL PROPERTIES:**

Appearance	: Transparent clear viscous liquid
Solid content	: 26 +/- 1 %
PH	: 5-7
Gloss	: High
Character	: Soft
Solubility	: Soluble in water and solvent media

#### **SPECIFIC PROPERTIES:**

- \*Transparent glossy look
- \*Smooth surface touch
- \*Excellent heat resistance
- \*Good scuff and abrasion resistance
- \*High gloss look
- \*Excellent wet and dry rub fastness
- \*Very good milling property

#### **MODE OF APPLICATION:**

**HB TOP-SW** is a high performing top coat, especially designed for all kind of leathers where high shine and fastness is required.

Recommended dilution may vary from 1:1 or 1:1.5 with water and 1:2 with organic solvent 1-2X spray depending upon the desired effect and shine required.

## **HB TOP-WG**

### **AQUEOUS TOP COAT BASED ON NITROCELLULOSE**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: White viscous liquid
Solid content	: 20 +/- 1%
PH	: 4-5
Gloss	: Medium
Character	: Soft
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- Soft transparent thin film
- Good wet and dry rub fastness
- Smooth & warm surface touch
- Good mechanical stability
- Medium shine look
- Good milling property

#### **MODE OF APPLICATION:**

**HB TOP-WG** is a very good water based top coat specially designed for all kind of leathers where soft and glossy look is required.

It is recommended before heavy embossing as an intermediate coat.

Suggested application, 1:1 dilution with water and 1-2X spray, depending upon the desired effect and gloss required.

HEXBURG

**HB PUR-K014**

**AQUEOUS ALIPHATIC POLYURETHANE  
DISPERSION MODIFIED, IN CATIONIC NATURE**

**PHYSICAL SPECIFICATIONS:**

Appearance	: Slightly viscous liquid
Ionicity	: Cationic
PH	: 2.5-3.5
Film Property	: Soft
Solubility	: Soluble in water

**SPECIFIC PROPERTIES :**

- \*Excellent sealing property
- \*Excellent mechanical stability, like polish and heat
- \*Uniform sealing without loading the grain
- \*Smooth & warm surface touch
- \*Good covering and distribution property

## **MODE OF APPLICATIONS:**

**HB PUR-K014** has been specially designed for cationic sealing coat for improving the selection & hiding the grains damage without loading the grain.

It imparts very good feel and touch & suitable for All kind of leathers for sealing coat.

Quantity may vary from 50-200 grams/liters depending upon the desired finish required.

## **HB FIL - AP 99**

### **HIGH PERFORMANCE ANIONIC FILLING AGENT PHYSICAL SPECIFICATIONS:**

Appearance	: Little creamish
white	viscous
liquid	
Solid Content	: 26 +/- 1%
PH	: 6-7
Ionicity	: Anionic
Solubility	: Soluble in water

### **SPECIFIC PROPERTIES:**

- \*Excellent covering and levelling property
- \*Natural matt look
- \*Good performance on roller coating
- \*Good embossing property
- \*High mechanical stability
- \*Smooth surface touch
- \*Does not overloading the grain

### **MODE OF APPLICATION:**

**HB FIL -AP 99** is a versatile anionic filling agent suitable for all kind of leather finishes where good covering up-gradation is required. Quantity may vary for 25-75 grams/liters depending upon the finish and effect required.

## **HB COMP -SC 100**

### **ANIONIC COMPOUND BASED ON ACRYLIC POLYMERS MODIFIED WITH SPECIAL ADDITIVES**

#### **SPECIFIC SPECIFICATIONS:**

Appearance	: Little creamish
white	viscous liquid
Solid Content	:16 +/- 1 %
PH	: 6.6-7.5
Ionicity	: Anionic
Film Property	: Soft
Solubility	: Soluble in
water	

#### **SPECIFIC PROPERTIES:**

- \*Excellent covering without loading the grain
- \*Excellent performance on roller coating application
- \*Soft handle with smooth surface touch
- \*Very good milling property
- \*Uniform levelling with good adhesion
- \*Good mechanical stability
- \*Natural look

## **MODE OF APPLICATION:**

**HB COMP -SC 100** is very special type of soft compound, specially designed for garment shoe nappa and leather goods leather.

Due to its unique property to gives hiding the open deficits with natural look and without loading the grain, suitable for Softer type of finishes.

Quantity may vary from 50-200 grams/liters depending upon the finish required.

## **HB COMP -SC 900**

### **HIGH PERFORMANCE ACRYLIC COMPOUND MODIFIED WITH SPECIAL ADDITIVES**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: White viscous liquid
Solid content	: 22 +/- 2%
PH	: 7-8
Ionicity	: Anionic
Film Property	: M. Soft
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Excellent performance on roller coating
- \*High degree of covering
- \*Uniform levelling and adhesion property
- \*Very good mechanical stability
- \*Good milling property
- \*Soft handle with smooth surface touch
- \*Good cold crack resistance
- \*Good light fastness

#### **MODE OF APPLICATION:**

**HB COMP - SC 900** is a high performing anionic compound, specially designed for CG, Split & poor selection leather, where high covering and good flexibility is required.

Very much suitable for smooth finish.

Also suitable for leather goods and nappa type of leathers.

Thanks to its property as it does not overload the grain.

Quantity may vary from 50-400 grams/liters depending up on the desired finish required.

# HB BLACK -AC 1010

## HIGH PERFORMANCE CONCENTRATED LIQUID DYES IN ANIONIC NATURE

### PHYSICAL SPECIFICATIONS:

Physical constitutions	: High grade metal complex dye mixed in organic solvents & aqua miscible.
Ionicity	: Anionic
Solubility	: Soluble in water & in organic solvent.
Colors	: All standard basic color available in concentrated and standard (AS 1101) product.

### SPECIFIC PROPERTIES:

- \*High Brilliancy
- \*Excellent Depth and uniform covering
- \*Excellent light fasteners
- \*Uniform penetration & imparts desired shade
- \*Good rub fastness
- \*Excellent water drop resistance
- \*Aesthetic appeal
- \*Eco-toxicological property

### MODE OF APPLICATION:

**HB BLACK -AC 1010** (all colors) are specially designed for main coloring ingredient in stain coat, base coat and top coat for brilliant and aniline look to the finishes.

Easily miscible with all other colors to produce desired shade. Due to its special property, it is suitable for deep dyeing machine, uniform color and deep penetration.



## **HB BLACK - KC 8010**

### **HIGH PERFORMANCE CONCENTRATED LIQUID DYES IN CATIONIC NATURE**

#### **PHYSICAL SPECIFICATIONS:**

Physical Constitution	: High grade cationic acrylic dye mixed in organic solvents in aqua miscible
Ionicity	: Cationic
Solubility	: Soluble in water and organic solvent
Color	: All standard basic color are available in concentrated and standard (KS 9020) Product

#### **SPECIFIC PROPERTIES:**

- \*Excellent depth and uniform covering
- \*Deep and high penetration properties
- \*Self-emitting luster and brilliancy
- \*Excellent wet and dry rub fastness
- \*Impart desired shade by mixing each other
- \*Very good light fastness
- \*Self-fixing property
- \*Outstanding shade uniformity on leather surface

#### **MODE OF APPLICATION:**

**HB BLACK - KC 8010 (All colors)** are very special type cationic liquid dyes which are specially designed for stain coat

and main coloring ingredient for cationic base coat and main finishes.

Due to its special property, it is very much recommended for suede and Nubuck leather for final correction of the shade and without effecting the nap and property.

All colors are easily miscible with others to get desired shade.

## **HB TEX - TC 501**

### **HIGH QUALITY PLASTICISED FINE PARTICLE MODIFIED PROTEIN BINDER**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Light Beige viscous liquid
Solid Content	: 12 + / - 1%
PH	: 8- 9
Film	: M. Soft
Ionicity	: Anionic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Thin and high gloss look
- \*High mechanical resistance
- \*Confers transparent film without loading the grain
- \*Aniline look
- \*Excellent heat resistance
- \*Does not yield hardness due to high plastic property
- \*Smooth and silky touch
- \*Excellent performance on polishing and Glazing

#### **MODE OF APPLICATION:**

**HB TEX - TC 501** is a high performing protein top specially designed for Glaze and polish and high reactive finishes.

Suitable for highly rich and glossy aniline finishes.

Imparts good fastness while using on top coat.

Quantity may vary 50-150 grams/liters depending upon the desired finish and effect.

## **HB TEX - WC 502**

### **HIGH PERFORMANCE PROTEIN BINDER MODIFIED WITH SPECIAL ADDITIVE AND WAXES**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Opalescent viscous liquid
Solid Content	: 12 +/- 1 %
PH	: 7.5 - 8.5
Film	: Soft
Ionicity	: Anionic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Soft touch and natural
- \*Very good adhesion & uniformity
- \*Excellent mechanical stability
- \*Bright and rich look
- \*Thin and adherent film
- \*Excellent performance on Glaze and Polish

#### **MODE OF APPLICATION:**

**HB TEX - WC 502** is a very special type of protein binder specially designed for polish and glaze finish as well suitable for reactive Finish.

Imparts gentle grain with soft touch and brilliant rich look.  
Also suitable for sealer and top coat.

Quantity may vary for 50-200 grams/liters depending upon the desired finish and effect.



# HB COMP -HC 932

## HIGH PERFORMANCE RESEIN COMPOUND MODIFIED WITH VERY SPECIAL ADDITIVES

### PHYSICAL SPECIFICATIONS:

Appearance	: Whitish viscous liquid
Solid Content	: 32 +/- 2%
PH	: 7-8
Ionicity	: Anionic
Film Property	: Medium soft
Solubility	: Soluble in water

### SPECIFIC PROPERTIES:

- \*High degree of covering power
- \*Excellent adhesion with uniform leveling
- \*Very good mechanical stability
- \*Outstanding performance on Roller coating
- \*Smooth surface touch
- \*Strong bonding property
- \*Very good flexibility

### MODE OF APPLICATION:

**HB COMP- HC 932** is an high quality compound specially designed for corrected grain leathers, smooth finish for shoe upper and belting leather.

Also suitable for bag leathers for PDM and full grain articles.

It imparts very good upgradation of the selections.

Quantity may vary from 100-400 grams/liters depending upon the finish and pigment to be used.

# HB COMP - SC 910

## ANIONIC RESIN COMPOUND MODIFIED WITH SPECIAL ADDITIVES

### SPECIFIC SPECIFICATIONS:

Appearance	: Whitish viscous liquid
Solid content	: 18 +/- 1 %
PH	: 7-8
Ionicity	: Anionic
Film property	: Medium soft
Solubility	: Soluble in water

### SPECIFIC PROPERTIES:

- \*Very good covering power
- \*Very good adhesion with uniform leveling
- \*Natural matt look
- \*Very good mechanical stability
- \*Suitable for Roller coating application
- \*Good bonding property

### MODE OF APPLICATION:

**HB COMP - SC 910** is a specially designed for high covering finishes, very much suitable for shoe upper, bag and corrected grain leather.

Imparts good up-gradation without loading the grain with natural matt look.

Quantity may vary from 50-300 grams/liters depending upon the desired finish and effect required.

# HB CRYL - IB 98



## AQUOUS RESIN CO-POLYMER WITH FINE PARTICLE FOR SURFACE IMPREGNATION

### PHYSICAL SPECIFICATIONS:

Appearance	: Translucent liquid
Solid content	: 15 - + /- 1 %
PH	: 7 - 8
Ionicity	: Anionic
Film property	: Medium soft
Solubility	: Soluble in water

### SPECIFIC PROPERTIES:

- \*Uniform and easy penetration
- \*Imparts fine and tight grain
- \*Good re-buffing property
- \*Good flexibility
- \*Good filling with loose area

### MODE OF APPLICATION:

**HB CRYL - IB 98** is a very fine particle acrylic polymer specially designed for impregnation for full grain and correct grain leathers where compact and tight grain is required.

Suitable for roller coating application also can spray, depending upon the requirement.

After the application we suggest to keep for ageing over night to get the optimum result.

Quantity may vary for 15-30 grams/liters depending upon the article and effect required.

## **HB WAX - KW 19**

### **EMULSION OF SYNTHETIC WAXES IN CATIONIC NATURE**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: White pest
Solid content	: 10 + /- 1 %
PH	: 4 - 5
Ionicity	: Cationic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Smooth warm and waxy touch
- \*Very good sealing property
- \*Excellent polishing property
- \*Soft and supple handle
- \*Very good plate releasing property

#### **MODE OF APPLICATION:**

**HB WAX - KW 19** is a very special type of waxes in cationic media.

Specially designed for cationic sealing and base where good sealing and good touch is required. It is also recommended for DD look naked finish for Natural touch and fee.

Quantity may vary from 50-150 grams/liters depending upon the desired effect required.

## **HB CRYL - IB 92**

### **EMULSION OF ACRYLIC CO-POLYMERS FOR SURFACE IMPREGNATION**

#### **PHYSICAL SPECIFICATIONS:**

Appliance	: Translucent liquid
Solid content	: 22 + /- 2 %
PH	: 7 - 8
Ionicity	: Anionic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Produce fine and tight grain
- \*Excellent filling property in loose area
- \*Uniform and easy distribution
- \*Very good re-buffing property
- \*Very good flexibility with mellow handle

#### **MODE OF APPLICATION:**

**HB CRYL - IB 92** is a very high performing impregnation

Polymer designed for corrected and full grain leathers.

Suggested recommendation to be used 25-30 gm/sq.ft, depending upon the desired effect and article.

To get optimum result, we suggest roller coating application.

After applying on leather proper ageing is required overnight to get the optimum result.

Quantity may vary from 300-400 grams/liters depending upon the desired effect.

## **HB WHITE - AP 1019**

### **AQUOUS DISPERSION OF ULTRA WHITE ANIONIC INORGANIC PIGMENT**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Ultra white
viscous liquid	
Solid content	: 58 + /- 2 %
PH	: 11 -12
Ionicity	: Anionic
Solubility	: Soluble in
water	

#### **SPECIFIC PROPERTIES:**

- \*High covering power
- \*Does not look over loading the grain
- \*Ultra white look
- \*Excellent light fastness property
- \*Uniform distribution property
- \*Excellent UV resistance.

#### **MODE OF APPLICATION:**

**HB WHITE - AP 1019** is a high performing anionic white pigment suitable for all kind of leathers.

Quantity may vary from 50-150 grams/liters depending upon the desired covering and effect required.

## **HB BLACK - AP 1015**

### **AQUOUS DISPERSION OF ORGANIC/ INORGANIC PIGMENT IN ANIONIC MEDIA PHYSICAL SPECIFICATIONS:**

Appearance	: Semi viscous black liquid
PH	: 8 - 9
Look	: Jeet Black
Ionicity	: Anionic
Solubility	: Soluble in water

### **SPECIFIC PROPERTIES:**

- \*Jeet black and brilliant look
- \*Uniform and high degree covering
- \*High light fastness
- \*Excellent dispersing agent

### **MODE OF APPLICATION:**

**HB BLACK - AP 1015** is high performing anionic pigment with excellent covering and Jeet-ness.

Suitable for all kind of leather and finishes where good covering and brilliant look is required.

Quantity may vary from 50-150 grams/liters depending upon the desired effect required.

**HB PUR - BC 808**

## **MODIFIED ALIPHATIC POLYURETHANE DISPERSION IN AQUEOUS MEDIA**

### **PHYSICAL SPECIFICATIONS:**

Appearance	: Translucent Liquid
Solid Content	: 22 +/- 1 %
PH	: 7 - 8
Film	: Soft
Ionicity	: Anionic
Solubility water	: Soluble in

### **SPECIFIC PROPERTIES:**

- \*Soft and elastic thin film
- \*Very good covering without loading the grain
- \*Excellent adhesion and mechanical stability
- \*Very good light fastness
- \*Good milling property
- \*Smooth and silky surface touch
- \*Excellent bonding

## **MODE OF APPLICATION:**

**HB PUR - BC 808** is a high performing

polyurethane

dispersion in soft and elastic nature, specially designed for Shoe upper, bag and nappa leathers.

Due to high elastic property very much suitable for milling leathers where soft and mellow handle is required.

Quantity may vary from 50-200 grams/liters depending up on the desired finish and effect required.

## **HB PUR - SC 809**

### **HIGH PERFORMANCE COMPOUND BASED ON ALIPHATIC POLYURETHANE DISPERSION MODIFIED WITH SPECIAL ADDITIVES**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Viscous milky
white	liquid
Solid content	: 25 + /- 2 %
PH	: 7 - 8
Film Property	: Medium soft
Ionicity	: Anionic
Solubility	: Soluble in
water	

#### **PHYSICAL SPECIFICATIONS:**

- \* Excellent performance on roller coating application
- \*Excellent covering power
- \*Smooth surface touch with natural look
- \*Very good adhesion and bonding property
- \*Excellent Flexibility
- \*High mechanical resistance

**MODE OF APPLICATION:**

**HB PUR - SC 809** is specially designed for smooth finish and where high covering is required with very good mechanical resistance.

It is very much suitable for Corrected grain, split and belting leather.

Quantity may vary from 100-400 grams/liters depending up on the desired effect and finish required.

## **HB PUR - NP 3450**

# **NON-IONIC NON-FILMY ALIPHATIC POLYURETHANE DISPERSION IN AQUEOUS MEDIA**

### **PHYSICAL SPECIFICATIONS:**

Appearance	: Transparent liquid
PH	: 7 - 8
Film property	: Soft Film
Ionicity	: Non-Ionic
Solubility water	: Soluble in

### **SPECIFIC PROPERTIES:**

- \*Very thin and transparent film
- \*High mechanical and heat resistance
- \*Rich look with smooth and silky touch
- \*High elastic and flexibility
- \*Excellent polishable property
- \*Excellent light fastness property

### **MODE OF APPLICATION:**

**HB PUR - NP 3450** is a non-film forming non-ionic high resistance polyurethane dispersion.

Specially designed for polish and aniline, semi aniline finishes with rich look and smooth handle.

Thanks to its property as it does not produce any loading on grain.

Suitable for all kind of leathers.

Quantity may vary from 50-200 grams/liters depending up on the desired finish required.

## **HB PUR - NP 208**

### **AQUEOUS ALIPHATIC POLYURATHANE DISPERSION IN NON-IONIC NATURE**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Transparent liquid
Solid content	: 20 + / - 1%
PH	: 7 - 8
Film property Rich	: Medium soft &
Ionicity	: Non-Ionic
Solubility water	: Soluble in

#### **SPECIFIC PROPERTIES:**

- \*Adherent thin transparent & rich film
- \*Excellent heat resistance property
- \*Excellent polishable property
- \*High mechanical resistance
- \*Elastic and high flexible film
- \*Glossy and rich look with smooth surface touch
- \*High light fastness

## **MODE OF APPLICATION:**

**HB PUR - NP 208** is high performance non-ionic polyurethane suitable for all kind of leather where aniline and high rich look is required.

It is recommended for spray top coat for aniline and nappa finishes for good fastness along with cross linker.

Quantity may vary from 50-200 grams/liters depending upon the desired finish and article.

## **HB BASE - BS 812**

### **AQUOUS ACRYLIC POLYMER MODIFIED WITH SPECIAL ADDITIVES FOR BASE SEALING**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Whitish viscous
liquid	
PH	: 7 - 8
Film Property	: Soft
Ionicity	: Anionic
Solubility	: Soluble in
water	

#### **SPECIFIC PROPERTIES:**

- \*Excellent sealing property
- \*Good covering with smooth surface touch
- \*Good mechanical stability
- \*Good embossing property
- \*Good flexibility
- \*Natural matt look

## **MODE OF APPLICATION:**

**HB BASE - BS 812** is a very special type of ground specially designed for sealing coat for corrected and full grain leather where good sealing and up-gradation property is required.

Suitable for upper and bag leather as well for split belting base sealing after impregnation to seal the open fiber.

Quantity may vary from 200-300 grams/liters depending upon the sealing is required.

## **HB BASE - BS 810**

### **HIGH DEGREE ACRYLIC GROUND MODIFIED WITH SPECIAL ADDITIVES**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Whitish viscous liquid
PH	: 7 - 8
Film property	: Soft
Ionicity	: Anionic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTY:**

- \*Soft and elastic film
- \*Very good covering with smooth touch
- \*Excellent milling property
- \*Good upgradation property
- \*Very good adhesion and bonding
- \*Good mechanical stability.
- \*Soft handle with very good flexibility
- \*Good sealing power for corrected and full grain leather

## **MODE OF APPLICATION:**

**HB BASE - 810** is an universal sealing acrylic compound suitable for milled bag and softer upper leather where good sealing and good covering with soft handle is required.

Quantity may vary from 200-300 grams/liters depending upon the desired effect and sealing required.

## **HB OIL - NS 129**

### **BLEND OF SELF EMULSIFIABLE NATURAL AND SYNTHETIC OILS IN NON-IONIC NATURE**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Straw to light brown color
Solid Content	: 100 %
Ionicity	: Non-Ionic
Solubility	: Soluble in water and organic solvent

#### **SPECIFIC PROPERTIES:**

- \*Uniform penetration and distribution
- \*Produce excellent fullness and round soft feel on crust
- \*Does not yield any adhesion problem in finishing
- \*Excellent reactivity property
- \*High mechanical stability like polishing and little glazing
- \*Produce little pull up effect on high veg crust
- \*Any patch on crust do not occur
- \*Can be used in drum as free oil to improve reactivity

#### **MODE OF APPLICATION:**

**HB OIL - NS 129** is a very special type of oil designed for base coat for all finishes.

HB OIL- NS 129 very much recommend for polish and rich look finish. Also, can be used for crunch article along with crunch wax to get uniform effect and softer round feel.

Quantity may use alone or 1:2 or 1:4 with water depending upon the desired effect .

## **HB BLACK - KP 2000**

### **HIGH QUALITY ORGANIC AND INORGANIC PIGMENT IN CATIONIC NATURE**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Little viscous black liquid
Solid content	: 30+/- 2 %
PH	: 3 - 4
Ionicity	: Cationic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Excellent covering power
- \*Loading on the grain and 'Z' black look does not occurs.
- \*Very good light fastness
- \*Very fine particle with very bright look
- \*Uniform levelling property

#### **MODE OF APPLICATION:**

**HB BLACK - KP 2000** is a very high-performance cationic pigment Specially designed for all kinds of cationic finishes for main coloring ingredient.

It very much compatible with all cationic range of products from HEXBURG.

Quantity may vary from 30 - 100 gm /L depending on up on the desire effect is required.

## **HB WAX - SW 22**

### **BLEND OF NATURAL AND SYNTHETIC WAXES IN AQUEOUS MEDIA**

#### **PHYSICAL SPECIFICATIONS:**

Appearance	: Whitish viscous liquid
Solid Content	: 14 +/- 1 %
PH	: 7.5-8.5
Ionicity	: Anionic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES:**

- \*Uniform levelling property
- \*Smooth waxy touch
- \*Excellent plate realizing property
- \*Very good mechanical stability
- \*Excellent heat resistance

#### **MODE OF APPLICATION:**

**HB WAX - SW 22** is a versatile wax specially designed for all kind of finishes in anionic base coat for reducing the tackiness and plate realizing.

Can be used on DD crust to get smooth and waxy feel and touch.

Quantity may vary from 40 - 75 gm /L depending up on the desired finish and effect is required.



## HB WHITE - KP 2089

### HIGH PERFORMANCE ORGANIC & INORGANIC ULTRA WHITE PIGMENT IN CATIONIC NATURE

#### PHYSICAL SPECIFICATIONS:

Appearance	: Viscous white paste
Solid Content	: 42 +/- 2 %
PH	: 4.5-5
Ionicity	: Cationic
Solubility	: Soluble in water (Mixed well before use)

#### SPECIFIC PROPERTIES:

- \* High covering Power
- \* Produce ultra-white look
- \* Excellent light fastness property
- \* Does not loading the grain
- \* Uniform levelling property

#### MODE OF APPLICATIONS:

**HB WHITE - KP 2089** is high quality ultra-white cationic pigment specially designed main coloring ingredient for cationic finishes, Suitable for all kinds of leather.

It is very much compatible with all cationic range of products from HEXBURG

Quantity may vary 50 -200 gm /L. Depending up on the desire effect and article.

# HB TOP - NEG 09

## NON-YELLOWING EMULSION TOP BASED ON CELLULOSE ESTER

### PHYSICAL SPECIFICATIONS:

Appearance	: Whitish viscous liquid
Solid Content	: 18+/- 2 %
PH	: 4-5
Ionicity	: Anionic
Gloss	: Medium shine
Solubility	: Soluble in water

### SPECIFIC PROPERTIES:

- \*Transparent glossy look
- \*Smooth silky surface touch
- \*Excellent light fastness
- \*Good wet and dry fastness
- \*Excellent non yellowing property
- \*Good heat resistance

### MODE OF APPLICATIONS:

**HB TOP - NEG 09** specially designed for white and pastel colors finishes where excellent lightfastness and UV protection is required. It can also be used for other finishes due to its smooth and silky feel. Dilution may vary from 0.5: 1 to 1: 1 with water and 2x spray depending up on the desire effect is required.

# HB PUR -SP 2020

**AQUOUS ALIPHATIC POLYURETHANE SPRAY  
TOPCOAT**

## PHYSICAL SPECIFICATIONS:

Appearance	: Translucent liquid
Solid Content	:20 +/-1%
PH	:7 - 8
Ionicity	: Anionic
Gloss	: Medium to High shine
Solubility	: Soluble in water

## SPECIFIC PROPERTIES:

- \*Transparent high shine look
- \*Smooth and silky surface touch
- \*Excellent light fastness
- \*Excellent wet and dry fastness with cross linker

## MODE OF APPLICATIONS:

**HB PUR - ST 2020** is a high-performance polyurethane spray topcoat with natural high shine look.

Specially designed for all kind of leather finishes where glossy look and very good touch is required with high light fastness.

While use as spray topcoat recommended to be use isocyanide cross linking agent.

Dilution may from 0.5:1 to 1: 1 with water and 1-2 x spray depending up on the desire effect is required.

## **HB COMP - PR 999**

### **POLY-ACRYLATE EMULSION COMPOUND MODIFIED WITH SPECIAL ADDITIVES**

#### **PHYSICAL SPECIFICATIONS :**

Appearance	: Whitish viscous liquid
Solid Content	: 22+/- 2 %
PH	: 6 - 7.5
Film Property	: Medium Soft
Ionicity	: Anionic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTY :**

- \*Excellent covering power with uniform levelling
- \*Excellent print retention property
- \*Smooth surface touch
- \*High mechanical resistance
- \*Good milling property
- \*Excellent adhesion and bonding property
- \* Very good flexibility

#### **MODE OF APPLICATIONS :**

**HB COMP -RP 999** is a high degree compound specially designed for print retention property ,suitable for upholstery base coat and also for all kind of printed leather finishes , where high print retention property is required .

Can also be apply on roller coating machine .

Quantity may vary form 100 -300 gm / Ltrs .depending up on the desire effect is require .

## **HB PUR - PC 609**

### **AQUEOUS POLYURETHANE POLISHABLE COMPOUND MODIFIED WITH SPECIAL ADDITIVES**

#### **PHYSICAL SPECIFICATIONS :**

Appearance	: Creamish viscous liquid
Solid Content	: 15 +/- 1%
PH	: 6.5 - 7.5
Ionicity	: Anionic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES :**

- \*Uniform levelling and covering power
- \*Natural matt look
- \*Highly polishable and reactive property
- \*Smooth silky touch
- \*High mechanical resistance
- \*Excellent heat resistance
- \*Very good light fastness

#### **MODE OF APPLICATIONS:**

**HB PUR - PC 609** is specially designed for highly polishing and reactive finishes ,suitable for shoe ,bag leathers polish finish and pigmented burnish finishes where reactive property is required .

For more reactivity effect can also recommend to add

**HB PUR -NP 3450 .**

Quantity may vary from 50 - 250 gm /ltrs depending up on the desired finishes .

## **HB PUR -BC 889**

### **ALIPHATIC POLYURETHANE DISPERSION IN ANIONIC MEDIA**

#### **PHYSICAL SPECIFICATIONS :**

Appearance	: Translucent to little whitish liquid
Solid Content	: 20 +/- 1 %
PH	: 7-8
Film	: Medium to soft
Ionicity	: Anionic
Solubility	: Soluble in water

#### **SPECIFIC PROPERTIES :**

- \* High physical resistance
- \* Excellent covering power with out loading the grain
- \* Thin adherent & elastic film
- \* Very good light fastness
- \* Very good malleability property
- \* Smooth surface touch
- \* Excellent mechanical stability

#### **MODE OF APPLICATION :**

**HB PUR - BC 889** is specially designed for base coat for softer type of aniline and semi aniline finishes , suitable for all kind of leathers. It also suggested for where good adhesion and bonding is required.

Quantity may vary from 50 - 200 gm / ltrs. depending up on the desire article and effect is required .

## **HB TAN - CS**

### **HIGH PERFORMANCE CHROME COMPLEX TANNING SYNTAN**

#### **PHYSICAL SPECIFICATIONS :**

Appearance	: Greenish powder
Solid Content	: 95 + /- 2 %
PH	: 3-5
Solubility	: Soluble in water
Compatibility	: Compatible with all mineral & synthetic tanning agent

#### **SPECIFIC PROPERTIES :**

- \*Imparts excellent fullness and grain compactness
- \*Uniform penetration and distribution
- \*Imparts uniform colour to the leather
- \*Produce excellent dye levelling
- \*Improve tensile strength
- \*Produce smooth and fine grain .

#### **MODE OF APPLICATIONS :**

**HB TAN -CS** is specially designed for pre-tanning and tanning for all kind of leathers .

Recommended for ,versatile combination tanning ,sami chrome and EI leather .

Percentage may vary from 4 - 8 percent depending up on the desire article and tanning is required .

# *WET - END PRODUCTS*