## CONTENTS

<table>
<thead>
<tr>
<th>1</th>
<th>ACRYLIC RESIN BINDERS</th>
<th>Page No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G BIND 108 – Soft Acrylic Micro Binder</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>G BIND 115 – Soft Acrylic Emulsion</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>G BIND 709 – Very Soft Acrylic Resin</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>G BIND 117 – Soft Self Cross-linkable Resin</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>G BIND 119 – Medium Soft Acrylic Resin</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>G BIND HR 102 – Very Hard Acrylic Resin</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>G BIND CP 504 – Soft Acrylic Compact</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>G BIND CP 5588 – Medium Soft Acrylic Compact</td>
<td>11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2</th>
<th>POLYURETHANES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G PU 232 – Soft Aliphatic Polyurethane</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>G PU 235 - Medium Soft Aliphatic Polyurethane</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>G PU 237 - Medium Soft Aliphatic Polyurethane</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>G PU 239 - Soft Aliphatic Adhesion Promoter</td>
<td>16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3</th>
<th>PROTEIN BINDERS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G PRO 313 – Medium Soft Modified Protein</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>G PRO 351 - Medium Soft Modified Protein</td>
<td>19</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4</th>
<th>CATIONIC SYSTEMS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G PU K 343 – Soft Aliphatic Polyurethane</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>G PU K 345 - Very Soft Aliphatic Polyurethane</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>G PRO K 317– Cationic Modified Protein</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>G FIL K 331 – Cationic Synthetic Filler</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>G BIND K 306 – Cationic Compact Binder</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>G WAX K 699 – Cationic Synthetic Wax</td>
<td>26</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5</th>
<th>WAXES &amp; FILLERS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G FIL 410 – Anionic Inorganic Filler Compounds</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>G WAX 5580 – Anionic Synthetic Wax Emulsion</td>
<td>29</td>
</tr>
</tbody>
</table>
6 AUXILIARIES
G OIL S 367 – Solvent Soluble Pull Up Oil 31
G OIL 369 – Water Soluble Pull Up Oil 32
G OIL 370 – Vegetable Based Oil 33
G WAX BC 510 – Synthetic Burnish Wax 34
G WAX 531 – Medium Soft Synthetic & Carnauba Waxes 35
G PROOF 855 – Water Repellent Agent 36
G STUCCO – Polymer Based Fillers 37

7 TOP COATS
G TOP 918 - Medium Soft Top Polyurethane 39
G TOP D 2021 - Medium Soft Matt Polyurethane 40
G TOP 916 - Medium Soft Patent Polyurethane 41
G PRO TOP 315 - Medium Soft Modified Protein 42
G TOP GL 05 – Clear Nitrocellulose High Gloss Lacquer 43
G TOP GL 07 – Medium Gloss Nitrocellulose Lacquer Emulsion 44
G TOP DL 09 - Nitrocellulose Matt Lacquer Emulsion 45

8 FEEL MODIFIERS
G TOUCH 509 – Non-ionic Modified Silicon 47
G TOUCH GWS – Modified Silicon Emulsion 48
G WAX 5589 – Non-ionic Synthetic Wax 49

9 FIXING AGENTS
G FIX – Free Formaldehyde Organic Fixing Agent 51

10 PIGMENTS
G COLOUR BK 81 – Anionic Inorganic Black Pigment 53
G COLOUR DB 90 - Anionic Inorganic Dark Brown Pigment 54
G COLOUR CB 100 - Cationic Inorganic Black Pigment 55
G COLOUR CB 103 - Cationic Inorganic Dark Brown Pigment 56
ACRYLIC RESIN BINDERS
G BIND 108

NATURE: Soft micro binder, based on thin acrylic resin having uniform ultra fine particle size

SPECIFICATIONS

<table>
<thead>
<tr>
<th>CHEMICAL COMPOSITION</th>
<th>Acrylic Emulsion</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASPECT</td>
<td>Bluish Translucent Liquid</td>
</tr>
<tr>
<td>SOLID CONTENT</td>
<td>20.0 ± 0.5 %</td>
</tr>
<tr>
<td>IONICITY</td>
<td>Anionic</td>
</tr>
<tr>
<td>pH</td>
<td>7.6 – 8.0</td>
</tr>
<tr>
<td>FILM PROPERTY</td>
<td>Transparent, soft &amp; elastic film</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Water soluble</td>
</tr>
</tbody>
</table>

SALIENT FEATURES

- Very soft, transparent elastic & flexible film
- Quick drying in nature hence producing non tacky in film.
- Very good Adhesion and particularly suitable for base coat formulation

MODE OF APPLICATION

- It can be used for base coat formulation along with the G BIND 115 and G BIND 117
- Improve the naturality of leather and gloss in addition in desired up gradation
- It can be suitable for Sheep Nappa, Suede Nappalan and other type of Garment finishes
- Usage level of G BIND 108 is 50 – 100 parts per litre
G BIND 115

NATURE: Soft acrylic resin binder with uniform fine particle size

SPECIFICATIONS

CHEMICAL COMPOSITION : Acrylic Emulsion
ASPECT : Bluish Semi Translucent Liquid
SOLID CONTENT : 35 ± 0.5 %
IONICITY : Anionic
pH : 5.8 – 7.0
FILM PROPERTY : Transparent, very soft & elastic film
SOLUBLITY : Water soluble

SALIENT FEATURES

• Very soft resin binder, gives clear and transparent film
• Good penetration properties on all types of leather
• Excellent flexibility, high elongation and do not increase the temper of the leather
• Very good adhesion and suitable for base coat formulation

MODE OF APPLICATION

• It can be used for base coat formulation along with the G BIND 108 and G BIND 117
• Also can be used in surface impregnation of full and corrected grain leathers
• Suitable for Sheep Nappa, Suede Nappalan and all other type of garment finishes
• Usage level of G BIND 115 is 100 – 150 parts per litre.
G BIND 709

NATURE: Very soft binder, based on thin acrylic resin having uniform fine particle size

SPECIFICATIONS

CHEMICAL COMPOSITION : Acrylic Emulsion
ASPECT : White Liquid
SOLID CONTENT : 27.0 ± 0.5 %
IONICITY : Anionic
pH : 8.7 ± 0.2
FILM PROPERTY : Transparent, very soft & elastic film
SOLUBILITY : Water soluble

SALIENT FEATURES

• Very soft, transparent elastic & flexible film.
• Non tacky.
• Quick drying in nature hence producing non tacky in film.
• Very good Adhesion and particularly suitable for base coat formulation.

MODE OF APPLICATION

• It can be used for base coat formulation along with the G BIND 115 and G BIND 117
• Improve the naturality of leather and gloss in addition in desired up gradation
• It can be suitable for Sheep Nappa, Suede Nappalan and other type of Garment finishes
NATURE: Very soft self cross-linkable acrylic resin binder

SPECIFICATIONS

CHEMICAL COMPOSITION : Acrylic emulsion
ASPECT : Milky white Liquid
SOLID CONTENT : 35 ± 1.0 %
IONICITY : Anionic
pH : 4.5 – 6.0
FILM PROPERTY : Very soft film
SOLUBLITY : Water soluble

SALIENT FEATURES

• Very soft, & elastic film having good penetration properties on all types of leather
• Excellent flexibility, high elongation and do not increase the temper of the leather.
• Very good adhesion for base coat formulation

MODE OF APPLICATION

• Can be used for base coat formulation along with the G BIND 108 and G BIND 117
• Also can be used in the formulations of base coat and surface impregnation of full and corrected grain leathers
• Suitable for Sheep Nappa, Suede Nappalan and other type of Garment finishes
• Usage level of G BIND 115 is 100 – 150 parts per litre.
**G BIND 119**

**NATURE:** Medium Soft Self Cross-linkable Acrylic resin binder.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Spec</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL COMPOSITION</td>
<td>Acrylic emulsion</td>
</tr>
<tr>
<td>ASPECT</td>
<td>Milky white</td>
</tr>
<tr>
<td>SOLID CONTENT</td>
<td>38 %</td>
</tr>
<tr>
<td>IONICITY</td>
<td>Anionic</td>
</tr>
<tr>
<td>pH</td>
<td>5.3 – 7.0</td>
</tr>
<tr>
<td>FILM PROPERTY</td>
<td>Medium soft slightly tacky film</td>
</tr>
<tr>
<td>SOLUBLITY</td>
<td>Water soluble</td>
</tr>
</tbody>
</table>

**SALIENT FEATURES**

- Medium soft resin binder
- Elastic & flexible film
- Good penetration
- Excellent mechanical stability
- Very good print retention and plate release
- Excellent flexibility, high elongation and do not increase the temper of the leather
- Very good adhesion for base coat formulation
- Excellent wet rub and dry rub fastness

**MODE OF APPLICATION**

- It can be used for base coat formulation along with the G BIND 115 and G BIND 117
- Protein and Wax emulsion can be used along with G BIND 119 to modify its film property
- It can be used in the formulations of base coat and surface impregnation of full and corrected grain leathers
- Usage level of G BIND 119 is 100 – 150 parts per litre
G BIND HR 102

NATURE: Very Hard Acrylic Resin Binder with Fine Particle Size

SPECIFICATIONS

CHEMICAL COMPOSITION: Hard Acrylic Resin
ASPECT: Semi Translucent Liquid
SOLID CONTENT: 40.0 ± 0.5 %
IONICITY: Anionic
pH: 9.2 ± 1
FILM PROPERTY: Transparent, Very Hard
SOLUBLITY: Water Soluble

SALIENT FEATURES

• Very hard resin binder, gives clear, transparent and tough film having good Crackle effect
• Not giving rough feel
• Smooth and silky touch
• Fine crystal crackle effect

MODE OF APPLICATION

• It can be used for base coat formulation along with the GPRO 315 and G PRO 313.
• It can be used both full grain and corrected grain leather
• Use level of G BIND HR 102 between 100 – 150 parts per litre
G BIND CP 504

NATURE: Soft Anionic Compact Binder

SPECIFICATIONS

CHEMICAL COMPOSITION : Mixture of Acrylic Emulsion and Additives
ASPECT : Off White Milky Liquid
SOLID CONTENT : 22.0 ± 0.5%
IONICITY : Anionic
SOLUBILITY : Water Soluble

PROPERTIES

- Soft film with medium gloss
- Excellent elongation and flexibility
- Excellent covering and selection up gradation
- Natural wet waxy feel
- Very good embossing property and print retention
- Excellent mechanical resistance

MODE OF APPLICATION

- G BIND CP 504 is specially developed for application on base coat formulation for all types of leather finishes
- It can be mixed both water and other auxiliaries.
G BIND CP 5588

NATURE: Medium soft Anionic compact Binder.

SPECIFICATIONS

CHEMICAL COMPOSITION: Mixture of Acrylic Emulsion and Additives
ASPECT: White Milky Liquid
SOLID CONTENT: 25.0 ± 0.5%
IONICITY: Anionic
SOLUBLITY: Water soluble

SALIENT FEATURES

• Blend of acrylic and special additives having excellent covering and Selection up gradation
• Medium soft film with medium gloss
• Non tacky film
• Excellent elasticity and flex
• Very good embossing property and print retention
• High wet rub and dry rub fastness
• Excellent mechanical resistance

MODE OF APPLICATION

• G BIND CP 5588 is specially developed for application on base coat formulation for corrected grain shoe upper & Upholstery
• It can be mixed both water and other auxiliaries
POLYURETHANES
NATURE: Soft Aliphatic Polyurethane

SPECIFICATIONS

CHEMICAL COMPOSITION: Aliphatic PU
ASPECT: Semi Transparent Liquid
SOLID CONTENT: 20.0 ± 0.5 %
IONICITY: Anionic
pH: 9.2 ± 0.3
FILM PROPERTY: Transparent, Soft & Elastic Film
SOLUBLITY: Water Soluble

SALIENT FEATURES

- Excellent Adhesion promoter
- Excellent polishing
- Maintains natural touch/handle of the leather
- High elasticity and flex
- High coverage with less loading on grain
- Can be used for base coat & intermediate coat in finishing system
- Improve the naturality of leather

MODE OF APPLICATION

- G PU 232 is widely admired in Nappa or any soft leather and garment leather segment for its contribution for softness, touch and good adhesion to the finish
- Recommended usage of G PU 232 may vary from 50 – 150 parts per litre
NATURE: Medium Soft Aliphatic Polyurethane

SPECIFICATIONS

CHEMICAL COMPOSITION : Aliphatic PU
ASPECT : Semi Transparent
SOLID CONTENT : 21.0 ± 0.5 %
IONICITY : Anionic
pH : 9.2 ± 0.3
FILM PROPERTY : Transparent, Medium Soft & Elastic Film
SOLUBLITY : Water Soluble

SALIENT FEATURES

- Very fine particle size and excellent penetration
- Good natural look and smooth surface touch
- Excellent adhesion and elongation
- High mechanical resistance and polishing
- Can be used for Base coat & Intermediate coat finishing system

MODE OF APPLICATION

- Its can be used for soft garment type of leather and all other type of shoes and leather goods finishes
- Recommended usage of G PU 235 may vary from 50 – 150 parts per litre
G PU 237

NATURE: Medium Soft Aliphatic Aqueous Polyurethane

SPECIFICATIONS

CHEMICAL COMPOSITION : Aliphatic PU
ASPECT : Clear Liquid
SOLID CONTENT : 22.0 ± 0.5 %
IONICITY : Anionic
pH : 9.2 ± 0.2
FILM PROPERTY : Transparent & Medium Soft Film
SOLUBLITY : Water Soluble

SALIENT FEATURES

- Tough and tenacious film
- Maintains natural look in aniline and semi-aniline finishes
- Improves fastness property
- Easy release on heated plating or embossing
- Excellent scuff resistance and high flexes
- Excellent polishing with smooth grain surface

MODE OF APPLICATION

- It's can be used for shoes and leather goods finishes
- Recommended usage of G PU 237 may vary from 50 – 100 parts per litre
NATURE: Soft Aliphatic Aqueous Polyurethane

SPECIFICATIONS

CHEMICAL COMPOSITION: Aliphatic PU
ASPECT: Clear Liquid
SOLID CONTENT: 22 ± 0.5 %
IONICITY: Anionic
pH: 8.0 ± 1.0 %
FILM PROPERTY: Transparent, Soft & Medium Glossy
SOLUBLITY: Water Soluble

SALIENT FEATURES

- Soft film with excellent elongation
- Excellent adhesion promoter
- Maintains natural look in aniline and semi-aniline finish
- Easy release on heated plating or embossing
- Control the dye Bleeding on Suede Leather

MODE OF APPLICATION

- Can be used for shoes and garment finishes
- Recommended usage of G PU 239 may vary from 50 – 100 parts per litre
PROTEIN BINDERS
NATURE: Medium Soft Modified Protein Binder

SPECIFICATIONS

<table>
<thead>
<tr>
<th>ASPECT</th>
<th>Slightly Yellowish Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOLID CONTENT</td>
<td>9.0 ± 0.5 %</td>
</tr>
<tr>
<td>IONICITY</td>
<td>Anionic</td>
</tr>
<tr>
<td>pH</td>
<td>9.8 ± 0.2</td>
</tr>
<tr>
<td>FILM PROPERTY</td>
<td>Medium Soft, Clear &amp; Glossy film</td>
</tr>
<tr>
<td>SOLUBLITY</td>
<td>Water Soluble</td>
</tr>
</tbody>
</table>

SALIENT FEATURES

- Thin glossy film
- Very high gloss and crystal look
- Excellent action on Polishing and Glazing
- Smooth and silky touch
- Excellent heat resistance

MODE OF APPLICATION

- Improves the dry rub properties and withstands higher plating temperatures
- Recommended usage of G PRO 313 may vary from 50 – 150 parts per litre
NATURE: Medium Soft Modified Protein Binder for Base Coat

SPECIFICATIONS

- **ASPECT**: Slightly Yellowish Liquid
- **SOLID CONTENT**: 9.0 ± 0.5 %
- **IONICITY**: Anionic
- **pH**: 9.8 ± 0.1
- **FILM PROPERTY**: Medium Soft, Medium Glossy
- **SOLUBILITY**: Water Soluble

SALIENT FEATURES

- Smooth and silky touch
- Mainly used for base season coat to avoid the tackiness
- Excellent heat resistance
- Medium gloss in nature, Polishing & Glazable

MODE OF APPLICATION

- Recommend to use G PRO 351 the quantity of application may vary from 50 – 100 parts per litre
CATIONIC SYSTEMS
NATURE: Soft Aliphatic Cationic Polyurethane

SPECIFICATIONS

CHEMICAL COMPOSITION: Aliphatic PU
ASPECT: Bluish Transparent Liquid
SOLID CONTENT: 20.0 ± 0.5%
IONICITY: Cationic
pH: 3.0 ±1.0
FILM PROPERTY: Transparent, Soft & High Glossy
SOLUBLITY: Water soluble

SALIENT FEATURES

- Very soft and high elongation film property
- Maintains natural look in Aniline and Semi-Aniline finish
- Gives very good adhesion
- Non tacky film
- Excellent polishing with smooth grain surface
- Very pleasant and silky feel

MODE OF APPLICATION

- Recommended usage of G PU K 343 may vary from 50 – 150 parts per litre
G PU K 345

NATURE: Very Soft Aliphatic Cationic Polyurethane

SPECIFICATIONS

CHEMICAL COMPOSITION : Aliphatic PU
ASPECT : Semi Transparent Liquid
SOLID CONTENT : 15.0 ± 0.5 %
IONICITY : Cationic
pH : 3.0 ±1.0
FILM PROPERTY : Soft and Transparent
SOLUBLITY : Water Soluble

SALIENT FEATURES

- High elongation
- Maintains natural look in aniline and semi-aniline finish
- Very good adhesion
- Excellent polishing and smooth grain surface
- Very good pleasant and silky feel

MODE OF APPLICATION

- Recommended usage of G PU K 345 may vary from 50 – 150 parts per litre
G PRO K 317

**NATURE:** Cationic medium soft modified protein binder

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Reddish Viscous Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid Content</td>
<td>10.0 ± 0.5 %</td>
</tr>
<tr>
<td>Ionicity</td>
<td>Cationic</td>
</tr>
<tr>
<td>pH</td>
<td>3.2 – 4.5</td>
</tr>
<tr>
<td>Film Property</td>
<td>Medium Soft &amp; waxy film.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water soluble</td>
</tr>
</tbody>
</table>

**SALIENT FEATURES**

- Medium gloss and excellent re-polishing
- Excellent action on Polishing and Glazing
- Smooth and silky touch
- Excellent heat resistance
- Excellent adhesion on cationic finishing

**MODE OF APPLICATION**

- Recommended usage of G PRO K 317 may vary from 50 – 150 parts per litre
NATURE: Cationic Filler based on Synthetic Emulsion with Special Additives

SPECIFICATIONS

CHEMICAL COMPOSITION : Synthetic with Additives
ASPECT : Off White Viscous Liquid
SOLID CONTENT : 22.0 ± 0.5 %
IONICITY : Cationic
pH : 4.0 ± 0.5
SOLUBILITY : Water Soluble

SALIENT FEATURES

• Smooth silky touch
• Excellent masking power
• Reduce the tackiness while embossing
• Upgrades the selection of leather, excellent covering and uniform filling.
• No whiteness after finishing
• Natural look and polishable
• Softness, and without loading to the finish

MODE OF APPLICATION

• G FIL K 331 improves the touch and light fastness
• Recommended usage of G FIL K 331 may vary from 50 – 100 parts per litre
G BIND K 306

NATURE: Soft Cationic Compact Binder

SPECIFICATIONS

CHEMICAL COMPOSITION : Mixture of Acrylic Emulsion and Additives
ASPECT : Off White Milky Liquid
SOLID CONTENT : 23.0 ± 0.5 %
IONICITY : Cationic
SOLUBILITY : Water Soluble

SALIENT FEATURES

- Soft film with medium gloss
- Non tacky and polishable
- Excellent elasticity and flex
- Excellent covering and selection up gradation without loading
- Natural wet waxy feel
- Very good embossing property and print retention
- Excellent mechanical resistance

MODE OF APPLICATION

- G BIND K 306 is specially developed for application on base coat formulation for garment types of nappa and natural milled leather
- Can be mixed both water and other auxiliaries
- The quantity of G BIND K 306 is depending upon the pigment ratio of the solution
NATURE: Cationic Synthetic Wax Emulsion

SPECIFICATIONS

<table>
<thead>
<tr>
<th>CHEMICAL COMPOSITION</th>
<th>Synthetic Wax.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASPECT</td>
<td>Off White Viscous Liquid</td>
</tr>
<tr>
<td>SOLID CONTENT</td>
<td>14.0 ± 0.5 %</td>
</tr>
<tr>
<td>IONICITY</td>
<td>Cationic</td>
</tr>
<tr>
<td>pH</td>
<td>3.8 ± 1.0</td>
</tr>
<tr>
<td>SOLUBLITY</td>
<td>Water Soluble</td>
</tr>
</tbody>
</table>

SALIENT FEATURES

- Smooth wet touch
- Excellent fullness, softness & touch
- Excellent plate release
- Reduce the tackiness on embossing
- Natural look
- It can also be used in the top coats along with feel modifiers

MODE OF APPLICATION

- G WAX K 699 is widely admired in base cationic coat formulation
- Recommended usage of G WAX K 699 may vary from 50 – 100 parts per litre
WAXES & FILLERS
NATURE: Anionic Inorganic Filler

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL COMPOSITION</td>
<td>Inorganic Compounds</td>
</tr>
<tr>
<td>ASPECT</td>
<td>Off White Viscous Liquid</td>
</tr>
<tr>
<td>SOLID CONTENT</td>
<td>25.0 ± 0.5 %</td>
</tr>
<tr>
<td>IONICITY</td>
<td>Anionic</td>
</tr>
<tr>
<td>pH</td>
<td>8.0 ± 0.2</td>
</tr>
<tr>
<td>SOLUBLITY</td>
<td>Water Soluble</td>
</tr>
</tbody>
</table>

SALIENT FEATURES

- Smooth waxy touch
- Reduce the tackiness while embossing
- Upgrades the selection of leather, excellent covering and uniform filling
- Not giving whiteness after finishing
- Natural dull look

MODE OF APPLICATION

- G FIL 410 is widely admired in Shoe leather segment and Upholstery for its contribution for excellent up-gradation, softness, touch and without loading to the finish
- Improve the selection of leather
- Recommended usage of G FIL 410 may vary from 50 – 100 parts per litre
NATURE: Anionic Synthetic Wax Emulsion for Basecoat Season

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL COMPOSITION</td>
<td>Synthetic Wax</td>
</tr>
<tr>
<td>ASPECT</td>
<td>White Viscous Liquid</td>
</tr>
<tr>
<td>SOLID CONTENT</td>
<td>12.0 ± 0.5 %</td>
</tr>
<tr>
<td>IONICITY</td>
<td>Anionic</td>
</tr>
<tr>
<td>pH</td>
<td>9.2 ± 1.0</td>
</tr>
<tr>
<td>SOLUBLITY</td>
<td>Water Soluble</td>
</tr>
</tbody>
</table>

SALIENT FEATURES

- Smooth waxy touch
- Excellent plate release
- Reduce the tackiness while embossing
- Not giving whiteness after finishing
- Natural look
- Gives excellent fullness, softness, touch and without loading the finish

MODE OF APPLICATION

- G WAX 5580 is widely admired in base coat formulation
- Recommended usage of G WAX 5580 may vary from 50 – 80 parts per litre
AUXILIARIES
G OIL S 367

NATURE: Synthetic Solvent Soluble Pull up Oil

SPECIFICATIONS

CHEMICAL COMPOSITION : Synthetic Oil
ASPECT : Slightly Yellowish Liquid
SOLID CONTENT : 100 %
SOLUBILITY : Solvent Soluble

SALIENT FEATURES

• Gives very strong Pull up effect
• Can be applied by heat roller coat along with the heat melting wax
• Excellent darkening
• Very good heat resistance while plating & Satilux
• Very good adhesion for Pull up and Crunch finish formulation
• Excellent re-polishing

MODE OF APPLICATION

• G OIL S 367 can be used without diluting for very strong Pull up effect
• Excellent natural feel and touch
NATURE: Synthetic & Natural Water Soluble Pull Up Oil

SPECIFICATIONS

CHEMICAL COMPOSITION : Synthetic & Natural Oil
ASPECT : Yellow Brown Liquid
SOLID CONTENT : 92.0 ± 1.0%
IONICITY : Anionic
SOLUBILITY : Water Soluble

SALIENT FEATURES

• Gives very strong Pull up effect
• Excellent Darkening
• Very good heat resistance while plating or satilux
• Very good Adhesion for Pull up and Crunch finish formulation
• Excellent re-polishing

MODE OF APPLICATION

• G OIL 369 can be used without diluting for very strong Pull up effect
• To get normal Pull up effects, it can be diluted with water at the ratio of 1:1
• Excellent natural feel and touch
NATURE: Mixture of Vegetable Oils

SPECIFICATIONS

CHEMICAL COMPOSITION: Vegetable Oil
ASPECT: Yellow Brown Liquid
SOLID CONTENT: 98.0 ± 1.0%
IONICITY: Anionic
SOLUBLITY: Water Soluble

SALIENT FEATURES

• Gives excellent darkening effect
• Excellent action against polishing and glazing
• Very good heat resistance while plating & Satilux
• Very good adhesion for subsequent finishes
• Excellent re-polishing

MODE OF APPLICATION

• Excellent natural feel and touch
NATURE: Special Synthetic Wax Emulsion

SPECIFICATIONS

CHEMICAL COMPOSITION : Synthetic Waxes
ASPECT : Whitish Liquid
SOLID CONTENT : 22.0 ± 0.5 %
IONICITY : Non-ionic
SOLUBLITY : Water Soluble

SALIENT FEATURES

• Gives excellent burnish effect
• Helps covering and natural matting effect
• Reduces tackiness
• Covers light damages when polishing
• Natural waxy feel

MODE OF APPLICATION

• Can be used in vegetable tanned leather to get very good contrast effect when polishing
NATURE: Combination of Medium Soft Synthetic & Carnauba Waxes

SPECIFICATIONS

<table>
<thead>
<tr>
<th>CHEMICAL COMPOSITION</th>
<th>Synthetic &amp; Carnauba Waxes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASPECT</td>
<td>Light Brown Liquid</td>
</tr>
<tr>
<td>SOLID CONTENT</td>
<td>25.0 ± 0.5 %</td>
</tr>
<tr>
<td>IONICITY</td>
<td>Anionic</td>
</tr>
<tr>
<td>SOLUBLITY</td>
<td>Water Soluble</td>
</tr>
</tbody>
</table>

SALIENT FEATURES

- Gives excellent darkening effect
- Mainly recommended for Crunch and Pull up of finishes
- Excellent action against polishing
- Very good heat resistance while plating & satilux
- Very good adhesion
- Excellent re-polishing
- Excellent natural feel and touch
- Non Tacky in nature

MODE OF APPLICATION

- G WAX 531 can be used without diluting for very strong crunch and darkening effect
NATURE: Water Repellent Agent

SPECIFICATIONS

CHEMICAL COMPOSITION : Poly Flouro Carbon
ASPECT : Milky White liquid.
SOLID CONTENT : 10.0 ± 0.5 %
pH : 6.5 ± 0.5
SOLUBLITY : Water Soluble

SALIENT FEATURES

• It’s water soluble
• Natural silky touch
• Natural look and will not affecting shine & colour level of leather
• It can also be used in the top coat along with lacquer emulsion

MODE OF APPLICATION

• It can be also used along with the G FIX & G TOUCH GWS to get excellent touch and water repellent property
• Recommended usage of G PROOF 855 may vary from 100 – 200 parts per litre
NATURE: Dispersion of Polymer Based Fillers

SPECIFICATIONS

CHEMICAL COMPOSITION : Polymer Based Fillers
ASPECT : Off White Viscous Liquid
SOLID CONTENT : 48.0 ± 0.5 %
IONICITY : Anionic
pH : 8.2 ± 1.0
SOLUBLITY : Water Soluble

SALIENT FEATURES

• Very strong adhesion
• Excellent re-buffability
• Smooth waxy touch
• It masks defects such as open scars, pinhole & neck wrinkles
• Reduce the stickiness on embossing
• Not giving whiteness after finishing
• Natural dull look

MODE OF APPLICATION

• G STUCCO can be added 50 to 100 gms per litre in anionic base coat solution of regular resin finish,
• Upgrades selection of leather with excellent covering and uniform filling
TOP COATS
NATURE: Medium Soft Aliphatic Polyurethane Top

SPECIFICATIONS

CHEMICAL COMPOSITION : Aliphatic PU
ASPECT : Transparent Liquid
SOLID CONTENT : 22.0 ± 0.5 %
IONICITY : Anionic
pH : 8.8 ± 0.2
FILM PROPERTY : Transparent, Medium Soft & high gloss
SOLUBLITY : Water Soluble

SALIENT FEATURES

- Strong adhesion
- Very high gloss like casein
- Excellent withstand for high temperature
- Maintains natural touch, pleasant handle of the leather
- Excellent dry & wet rub fastness
- Very good flexibility and elongation
- Excellent emboss retention and tape test

MODE OF APPLICATION

- G TOP 918 is widely admired in shoe and leather goods segment for its contribution for softness, touch and good adhesion to the finish
- Improves the naturality of leather
- Recommended usage of G TOP 918 may vary from 50 – 300 parts per litre
NATURE: Aliphatic Matt Polyurethane Top

SPECIFICATIONS

CHEMICAL COMPOSITION : Aliphatic Matt PU
ASPECT : Off White Viscous Liquid
SOLID CONTENT : 28.0 ± 0.5 %
IONICITY : Anionic
pH : 8.5 ± 1.0
FILM PROPERTY : Medium Soft & Matt Film
SOLUBLITY : Water Soluble

SALIENT FEATURES

• Excellent adhesion
• Non Whitening in embossed leather
• Maintains natural touch
• Very good flexibility
• Excellent emboss retention

MODE OF APPLICATION

• G TOP D 2021 is widely admired in shoe and leather goods segments
• Recommended usage of G TOP D 2021 may vary from 100 – 300 parts per litre
NATURE: Medium Soft Aliphatic Patent Polyurethane Top

SPECIFICATIONS

CHEMICAL COMPOSITION : Aliphatic PU
ASPECT : Transparent liquid
SOLID CONTENT : 32.0 ± 0.5 %
IONICITY : Anionic
pH : 8.8 ± 0.2
FILM PROPERTY : Transparent, Medium Soft & high gloss
SOLUBLITY : Water soluble

SALIENT FEATURES

• Very Strong adhesion
• High gloss patent polyurethane
• Excellent withstand for high temperature
• Maintains natural touch & pleasant handle of the leather
• Excellent dry & wet rub fastness
• Very good flexibility and elongation
• Excellent light fastness property
• Excellent withstand in tape test
• Excellent Scratch Proof

MODE OF APPLICATION

• It can be applicable in Roller Coating operation
NATURE: Medium soft modified protein binder it can be used in the ground as well in the top coats

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Slightly Yellowish Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid Content</td>
<td>11.0 ± 0.5 %</td>
</tr>
<tr>
<td>Ionicity</td>
<td>Anionic</td>
</tr>
<tr>
<td>pH</td>
<td>9.8 ± 0.2</td>
</tr>
<tr>
<td>Film Property</td>
<td>Medium Soft Transparent &amp; Brilliant Film</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water Soluble</td>
</tr>
</tbody>
</table>

SALIENT FEATURES

- High and brilliant gloss
- It has a good binding power and pleasant feel
- Excellent action against Polishing and Glazing
- It has very good physical characteristic as well as dry and wet fastness
- Excellent heat resistance

MODE OF APPLICATION

- In final top in order to have very full and long life glosses
- Recommended usage of G PRO TOP 315 may vary from 50 – 250 parts per litre
G TOP GL 05

NATURE: High Gloss Clear Nitrocellulose Lacquer

SPECIFICATIONS

CHEMICAL COMPOSITION : Clear Nitrocellulose
ASPECT : Pale Yellowish High Viscous Liquid
SOLID CONTENT : 32.0 ± 0.5 %
CHARGE : Anionic
pH : 8.0 ±1.0
FILM PROPERTY : Medium Soft with High Gloss
SOLUBLITY : Water Soluble

SALIENT FEATURES

• Very high gloss
• Excellent abrasion resistance
• Excellent cold crack resistance
• Excellent withstand for high temperature
• Excellent dry & wet rub fastness
• Excellent light fastness
• Excellent action against tape test

MODE OF APPLICATION

• Recommended usages of G TOP GL 05 may vary from 100 – 500 parts per litre
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL COMPOSITION</td>
<td>White Emulsion</td>
</tr>
<tr>
<td>ASPECT</td>
<td>Milky White</td>
</tr>
<tr>
<td>SOLID CONTENT</td>
<td>20.0 ± 0.5%</td>
</tr>
<tr>
<td>CHARGE</td>
<td>Anionic</td>
</tr>
<tr>
<td>pH</td>
<td>7.2 ± 1.0</td>
</tr>
<tr>
<td>FILM PROPERTY</td>
<td>Soft, Transparent &amp; Medium Gloss</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Water Soluble</td>
</tr>
</tbody>
</table>

### SALIENT FEATURES

- Very soft film property
- Excellent light fastness property
- Excellent withstand for high temperature
- Maintains natural touch, pleasant handle of the leather
- Excellent dry & wet rub fastness
- Can also be used for dry milled articles
- Very good flexibility
- Excellent print retention

### MODE OF APPLICATION

- G TOP GL 07 can be used for all types of aniline and semi aniline finishes
- Recommended usage of G TOP GL 07 may vary from 50 – 500 parts per litre
NATURE: Matt Nitro Cellulose Matt Lacquer Emulsion

SPECIFICATIONS

CHEMICAL COMPOSITION : White Emulsion
ASPECT : Milky White
SOLID CONTENT : 24.0 ± 0.5 %
CHARGE : Anionic
pH : 7.6 ± 1.0
FILM PROPERTY : Soft & Matt Film
SOLUBLITY : Water Soluble

SALIENT FEATURES

• Very soft film
• Not giving whiteness after milling
• Natural Waxy touch
• Not giving Graying Effect in dark colours
• Excellent dry & wet rub fastness
• Very good flexibility
• Excellent emboss retention

MODE OF APPLICATION

Recommend usage of G TOP DL 09 may vary from 50 – 500 parts per litre
FEEL MODIFIERS
G TOUCH 509

NATURE: Non Ionic Modified Silicon Emulsion

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Chemical Composition</th>
<th>Modified Silicon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspect</td>
<td>Milky White Liquid</td>
</tr>
<tr>
<td>Solid Content</td>
<td>12.0 ± 0.5 %</td>
</tr>
<tr>
<td>pH</td>
<td>6.0 – 7.0</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water Soluble</td>
</tr>
</tbody>
</table>

SALIENT FEATURES

- Water soluble silicon emulsion
- Soft and very high slippery feel
- Natural silky touch
- Natural look and will not affect the shine level of leather
- It can also be used in the top coats along with lacquer emulsion
- Excellent Scuff resistance and withstand in tape test

MODE OF APPLICATION

- G TOUCH 509 is specially designed for sheep nappa and all other types of Garment finishes
- It can be also used in along with the G WAX 5589 & G TOUCH GWS
- Recommended usage of G TOUCH 509 may vary from 20 – 50 parts per litre
NATURE: Very Effective Modified Silicon Emulsion

SPECIFICATIONS

CHEMICAL COMPOSITION: Modified Silicon.
ASPECT: Milky White Liquid.
SOLID CONTENT: 12.0 ± 0.5 %
pH: 6.5 ± 0.5
SOLUBLITY: Water Soluble

SALIENT FEATURES

- Water soluble silicon emulsion
- Excellent Smooth, soft and natural feel
- Natural warm touch
- Natural look and not affecting shine level of leather
- It can be also used in the top coat along with lacquer emulsion

MODE OF APPLICATION

- G TOUCH GWS is specially designed for sheep nappa and other type of garment finishes
- It can also be used along with G WAX 5589 to get excellent touch and natural feel
- Recommended usage of G TOUCH GWS may vary from 20 – 50 parts per litre
G WAX 5589

NATURE: Non Ionic Synthetic Wax Emulsion

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL COMPOSITION</td>
<td>Synthetic Wax</td>
</tr>
<tr>
<td>ASPECT</td>
<td>White Viscous Liquid</td>
</tr>
<tr>
<td>SOLID CONTENT</td>
<td>18.0 ± 0.5 %</td>
</tr>
<tr>
<td>IONICITY</td>
<td>Nonionic</td>
</tr>
<tr>
<td>pH</td>
<td>11.0 ± 1.0</td>
</tr>
<tr>
<td>SOLUBLILITY</td>
<td>Water Soluble</td>
</tr>
</tbody>
</table>

SALIENT FEATURES

- Smooth waxy touch
- Excellent plate release
- Reduce the stickiness on embossing
- Not giving whiteness after finishing
- Natural look
- It can also be used in the top coat along with feel modifiers
- Gives excellent fullness, softness, touch and without loading the finish

MODE OF APPLICATION

- Recommended usage of G WAX 5589 may vary from 50 – 100 parts per litre
FIXING AGENTS
NATURE: G FIX is water soluble fixing Agent

SPECIFICATIONS

CHEMICAL COMPOSITION : Organic Compound of Aldehyde Function
ASPECT : Transparent Liquid
SOLUBLITY : Water Soluble

SALIENT FEATURES

• G FIX replaces formaldehyde in fixing of casein finishes
• Excellent cross link with casein
• Maintains natural touch, pleasant handle of the leather
• Excellent rubbing & wet resistance

MODE OF APPLICATION

• It can also be used along with lacquer emulsion to fix the other articles like a lining and semi aniline finishes
• Improves the Naturality of leather
• Normally diluted in water by 1:3 or 1:4 depends on the finishes
PIGMENTS
NATURE: Anionic Inorganic Black Pigment.

SPECIFICATIONS

CHEMICAL COMPOSITION: Inorganic Pigment
SOLID CONTENT: 49.0 ± 0.5 %
IONICITY: Anionic
pH: 11.0 ±1.0
VISCOSITY: 15 - 35 PS
SOLUBILITY: Water soluble

SALIENT FEATURES

- High concentrated
- Casein and binder free, micro fine particle size pigment
- Upgrade the selection of leather, excellent covering and uniform filling
- Free from Formaldehyde and Cr (VI)
- Free from heavy metals and PCP/TCP
- Gives natural look and gloss

MODE OF APPLICATION

- In glazing and semi aniline formulation 20-40 parts per litre
- In resin finish formulation 50-80 parts per litre
NATURE: Anionic Inorganic Dark Brown Pigment

SPECIFICATIONS

CHEMICAL COMPOSITION : Inorganic Pigment
SOLID CONTENT : 50.0 ± 1 %
IONICITY : Anionic
pH : 11.0 ±1.0
VISCOSITY : 30 - 40 PS
SOLUBLITY : Water soluble

SALIENT FEATURES

• High concentrated
• Contains no caseins and binders
• Very fine particle size pigment
• Upgrades the selection of leather
• Excellent covering and uniform filling
• Free from Formaldehyde and Cr (VI)
• Free from heavy metals and PCP/TCP
• Gives natural look and gloss

MODE OF APPLICATION

• In glazing and semi aniline formulation 20-40 parts per litre
• In resin finish formulation 50-80 parts per litre
NATURE: Cationic Inorganic Black Pigment

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL COMPOSITION</td>
<td>Inorganic Pigment</td>
</tr>
<tr>
<td>SOLID CONTENT</td>
<td>40.0 ± 0.5 %</td>
</tr>
<tr>
<td>IONICITY</td>
<td>Cationic</td>
</tr>
<tr>
<td>pH</td>
<td>11.0 ±1.0</td>
</tr>
<tr>
<td>VISCOSITY</td>
<td>15 - 35 PS</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Water soluble</td>
</tr>
</tbody>
</table>

SALIENT FEATURES

- High concentrated
- Very less quantity to be used compared other pigments
- Casein and Binder free micro fine particle size pigment
- Upgrades the selection of leather, excellent covering and uniform filling
- Free from Formaldehyde and Cr (VI)
- Free from heavy metals and PCP/TCP
- Gives natural look and gloss

MODE OF APPLICATION

- In cationic sealing coat formulation 20-60 parts per litre
G COLOUR CB 103

NATURE: Cationic Inorganic Dark Brown Pigment

SPECIFICATIONS

CHEMICAL COMPOSITION : Inorganic Pigment
SOLID CONTENT : 60.0 ± 1 %
IONICITY : Cationic
pH : 11.0 ±1.0
VISCOSITY : 30 - 45 PS
SOLUBLITY : Water soluble

SALIENT FEATURES

• Very economical and highly concentrated pigments
• Free from Forbidden amines
• Very less quantity to be used compared other pigments
• Casein and Binder free micro fine particle size pigment
• Upgrades the selection of leather, excellent covering and uniform filling
• Free from Formaldehyde and Cr (VI)
• Free from heavy metals and PCP/TCP
• Gives natural look and gloss

MODE OF APPLICATION

• In cationic sealing coat formulation 20-60 parts per litre
Note

The information submitted in this publication is based on our current knowledge and experience. In view of many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

Please contact our local technicians for further information
GG Organics (P) Ltd.
No. 122/6, V.O.C Street, Thuthipet Revenue Village, Villianur Commune, Puducherry - 605 502.
Tel. : +91 - 413 - 2677728 Fax : +91 - 413 - 2677729 E-mail : ggopur@gmail.com
www.ggorganics.co.in