

TUF-CRYL VSF

Characteristics of Emulsion

| | |
|-----------------------|---------------------------|
| Appearance | : Off white emulsion |
| Solid Content | : 40 ± 1% |
| pH (without dilution) | : 5.0 ± 1.0 |
| Charge | : Anionic |
| Viscosity | : 20 - 100 cps |
| Nature | : Very soft glossy binder |
| Mechanical Stability | : Good |
| Reaction with Ammonia | : Slight thickening |

Characteristics of Film

| | |
|--------------------|--------------------|
| Appearance | : Transparent |
| Tensile Strength | : 0.5 Mpa |
| Elongation | : > 1300% |
| Gloss | : Glossy |
| Shore 'A' Hardness | : 18 (Zwick/Roell) |
| Sticking Level | : Slightly tacky |
| Light Fastness | : Good |

REACH COMPLIANT



Green-Trek- Compliant

a symbol of our commitment to sustainable technologies

Storage : Store between +5 ' c to 35 ' c in original pack, well-sealed & stored.
Shelf-life : Product is stable for 6 months from the date of production / Invoice.



Non flammable

Avoid direct contact with skin



Prevent from freezing

Use Gloves / Ensure Ventilation



An extremely soft, highly elastic and flexible acrylic binder used as bottoming agent and plasticizing component of the pigmented season for garments, bags, shoe softies and very soft upholstery. Free from organic solvents and APEO/NPEO.

TUF-CRYL VSF exceeds any previous standards of softness, clarity, elasticity and stretch- ability of an acrylic binder for finishing highly soft garment, shoe and gloving leather. The leathers finished with VSF will exhibit excellent response to embossing and high fastness. The film of Tuf-Cryl VSF is of low tack, transparent and resistant to water.

TUF-CRYL VSF is ideal as a plasticizing component in bottoming and very effective for hiding defects in the grain - without obscuring the grain pattern. It also offers natural break after milling.

TUF-CRYL VSF can be used alone or in combination with other binders: Tuf-Cryl DX to achieve cold crack resistance and Acril-M 858, Acril-M S 60 to adjust tack levels, stiffness and fastness properties. Not recommended for use in Cationic systems.

Characteristics on Leather

| | |
|-----------------------|--|
| Gloss / Matt | Gloss 15 GU (on cow upper) |
| Tack level | Low |
| Tape Test | Pass |
| Feel | Slightly tacky |
| Dry rub fastness | More than 150 strokes |
| Cold-Crack Resistance | -20° C |
| Flexometer | More than one lakh flexes (on cow softy upper) |

Usage

| | | | |
|-----------------|---|-----------|---------------------|
| Fashion Gloving | : | 30 parts | Pigment Nano Series |
| | | 60 parts | Filler 50 |
| | | 60 parts | GlazEx 72 |
| | | 150 parts | Tuf-Cryl VSF |
| | | 100 parts | Acril-m X 858 |
| | | 50 parts | Urez 899 |
| | | 550 parts | Water |

Note: Suggested formulations are only for guidance and necessary modifications must be made to achieve a particular result.