TECHNICAL DATA SHEET

TULSICRYL DTM 103

TULSICRYL DTM-1003 is a **high-performance emulsion** specially designed for **high-gloss coatings**. It provides **good adhesion over metallic substrates** and thus, is highly suitable for water-based anti-corrosion coatings. It is based on styrene and acrylic acid chemistry with functional additives to promote adhesion over metal surfaces. The product is environmentally friendly and free of plasticizers.

ADVANTAGES:

- Provides well-balanced and controlled film hardness along with flexibility.
- Best recommended as a binder for water-based primers and as a top coat for anti-corrosion coatings.
- Ultrafine particle size leads to the formation of a clear, tack-free, and hard layer of emulsion over the substrate.
- Imparts excellent blocking resistance, gloss and adhesion.

APPLICATIONS:

It can be used as a primary binder in the manufacturing of high-gloss paints, anti-corrosive primers and topcoats, and other direct-to-metal (DTM) coating applications.

PROPERTIES:

Property	Value/Characteristic	Unit
Physical Appearance	Milky-White Liquid	-
Viscosity (at 25 ^{0}C)	2,000 ± 1,000	cPs
Solids Content	48.00 ± 2.00	% (wt./wt.)
pH (at 25 ^{0}C)	08.50 ± 00.50	-
MFFT	ca. 9	^{0}C

DOSAGE:

The dosage of this product varies from application to application. It is recommended to add coalescing aid just after the binder during the paint formulation with its recommended dosage of 5% of the binder solids.

PACKAGING:

The product is available in 240 kg HDPE barrels.

HANDLING & STORAGE:

- Store the material in a tightly-sealed original container in a well-ventilated area at ambient conditions.
- Shelf life of the product: 1 year from the date of manufacturing.

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