

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 °C)	2,000 ± 1,000	cPs
Solids Content	48.00 ± 2.00	% (wt./wt.)
pH (at 25 °C)	08.50 ± 00.50	-
MFFT	ca. 9	°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.

Disclaimer: Note: The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other company's raw materials are also being used. The recommendations do not absolve the user from the obligation of investigation of the possibility of infringement of third parties rights and, if necessary, clarifying the positions.