



TARA PAINTS & CHEMICALS

(An ISO 9001:2015 Certified Company)

A - 423 / 14, Mahagujarat Industrial Estate, Sarkhej - Bavla Road, Lane Behind Satyam Arcade,
Village : Moraiya, Ahmedabad - 382 210, Gujarat (India)

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TARALAC Epoxy Putty

TECHNICAL DATA SHEET

Product Description

TARALAC Epoxy Putty has been specifically developed as a 100% solids lining for the internals of pipes, tanks, vessels and other equipment in contact with fresh water, sea water, oil's, effluent plants, Cementitious surfaces & as a putty for floor coat applications. The product can also be used on externals of pipes where an abrasion-resistant system is required.

Product Features

TARALAC Epoxy Coating PUTTY combines good application characteristics with excellent corrosion protection and chemical resistance.

TARALAC Epoxy Coating PUTTY is designed for application in a single high build coat of up to 1mm, by plural feed hot airless spray.

TARALAC Epoxy Coating PUTTY is suitable for use on both steel and concrete surfaces.

- Adhesion - Excellent to both blast cleaned and mechanically scraped surfaces.
- Corrosion Resistance - Excellent even under aggressive immersion conditions.
- Chemical Resistance - Virtually unaffected by crude oil and a wide range of industrial chemicals and effluent (e.g. crude oil, raw water and dirty water).
- Temperature Resistance - Suitable for use up to 130°C in immersion service conditions (aqueous solutions) and up to 300°C in dry service conditions.

Properties

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| Colour | Light Grey, Red, Black & Pale white |
| Mixing Ratio | 1:1 By weight (Base : Hardner) |
| Drying & Cure times at | 20°C (68°F) |
| Pot (Usable) Life | 45 minutes at RT |
| Touch Dry | 2 - 3 hours |
| Hard Dry | 16 hours |
| Full Cure | 4 days |
| Volume Solids | 100% |
| Specific Gravity (Average Mixed) | 1.57 |
| Packing Sizes | 500 gm, 1 kg, 10 kg (2 Pack system) (Larger sizes available on request) |

Note

- Not colour stable, where a colour stable finish is required it must be over coated with an appropriate top coat.
- The actual thickness to be applied should be agreed between the specifier and the manufacturer dependant on operational performance criteria and may be higher or lower than the quoted typical value.

All the information given here are as per the results obtained in laboratory & are given in good faith to guide the user but without any warranty, the actual application results might vary depending on the conditions. We are not responsible for any loss, injury or damage resulting from the use of this information

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Performance Data

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|--|--|
| Abrasion Resistance | 40mgm weight loss per 1000 cycles - 1kg load - CS17 wheel ASTM D4060 |
| Impact Resistance | 8 joules (71 in lbs) - ASTM G14 |
| Heat Resistance | 300°C – Dry 130°C – Wet |
| Direct Pull Adhesion | 12Mpa (1760 psi) - grit blasted steel ASTM D4541 |
| Shore 'D' Hardness | 85 |
| Salt Fog Resistance | Excellent, unaffected after 3000 hours exposure. |
| Cathodic Disbondment | 6mm (7 days testing at 95°C, 1.5V) 9mm (15 days testing at 95°C, 1.5V) - GOST 51164-98 |
| High Temperature Water immersion | Good Adhesion (28 days at 80°C) |
| Humidity Resistance | Unaffected 3000 hours exposure |
| Chemical Resistance 10% H ₂ SO ₄ , | No change in weight, no blistering or softening. |
| Chemical Resistance 30% NaOH | No change in weight, no blistering or softening. |
| Deionized Water | Water Vapour Permeability 1.2gm.mm/m ² /24 hours |

Handling and Safety Precautions

Read all health hazard, precautionary and first aid statements found in the Material Safety Data Sheet, and/or product label prior to handling or use.

Important Notice

All statements, technical information, and recommendations related to Tara's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in Tara's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorised officer of Tara.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 12 months from the time of purchase. Tara MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF QUALITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at Tara's option, to replace or repair the Tara product or refund the purchase price of the Tara product. Except where prohibited by law, Tara will not be liable for any loss or damage arising from this Tara product, whether indirect, special, incidental or consequential (including, but not limited to, loss of profits, business and/or goodwill) regardless of the legal theory. For the sake of clarity, nothing in this statement will be deemed to exclude or restrict Tara's liability for death or personal injury arising from its own negligence.

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