NULLCORR

SOLUTIONS FOR A STRONGER TOMORROW

TECHNICAL DATA SHEET

NOVOSHIELD

Two-component novolac epoxy | Chemical-resistant protection

80 ± 2%	10 : 1	7 days	–5 °C
VOLUME SOLIDS	MIX RATIO BY WEIGHT	FULL CURE AT 20 °C	MIN. APPLICATION

01 PRODUCT OVERVIEW

NullCorr NovoShield is a two-component, solvent-based coating based on novolac epoxy resin and a polyamine hardener. It provides excellent adhesion, mechanical strength and high resistance to water, chemicals and solvents. Suitable for application at temperatures down to –5 °C, with high resistance to amine blush and hardener exudation.

02 AREAS OF APPLICATION

- Fuel storage tanks.
- Internal surfaces of crude oil tanks and pipelines, up to 90 °C.
- Aromatic and aliphatic solvent tanks.
- Hot water tanks, up to 95 °C, and saltwater tanks.
- Corrosion under insulation (CUI) protection, up to 260 °C.

03 TECHNICAL SPECIFICATIONS

PROPERTY	VALUE / DESCRIPTION
Appearance	Semi-matt
Colours	Cream, Grey, Oxide Red
Solids by volume	80 ± 2%
Density	1.37 ± 0.10 g/ml
Theoretical coverage	7.9 m²/L at 100 µm
VOC content	195 g/L
Flash point	40 °C
Mixing ratio by weight	A : B = 10 : 1
Full cure at 20 °C	7 days

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NOVOSHIELD

Surface preparation | Application conditions | Storage and safety

04 SURFACE PREPARATION

SUBSTRATE	PREPARATION REQUIREMENT
Steel	Abrasive blast cleaning to Sa 2½, with a surface profile of 75–100 µm.
Concrete	Mechanical preparation by grinding or shot blasting, followed by a suitable sealer.
All surfaces	Surfaces must be clean, dry and free from contaminants.

05 APPLICATION CONDITIONS

PARAMETER	SPECIFICATION
Application temperature	Minimum –5 °C
Relative humidity	Maximum 85%
Surface temperature	Minimum 3 °C above dew point
Nozzle size	0.017–0.023 inch
Spray pressure	Minimum 200 bar
Thinning	Maximum 7%

06 STORAGE AND SHELF LIFE

Store in a cool, dry place in the original, unopened container.
Shelf life: 12 months.

07 HEALTH AND SAFETY

For professional use only. Refer to the latest Safety Data Sheet (SDS) and follow all recommended safety precautions.

08 MANUFACTURER AND DOCUMENT INFORMATION

Manufacturer: Yalaz Boya, Turkey
Product: NullCorr NovoShield - Novolac Epoxy Coating
Distributor: Industrial Coatings Africa

09 DISCLAIMER

Product performance depends on proper surface preparation and application conditions. The manufacturer accepts no responsibility for applications outside the specified conditions.

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