NULLCORR

SOLUTIONS FOR A STRONGER TOMORROW

TECHNICAL DATA SHEET

EPOXY FINISH

Two component epoxy resin topcoat / Polyamide cured / Component A + B

3 : 1	45–60 µm	7–8 h	GLOSS
A : B BY WEIGHT	DRY FILM THICKNESS	POT LIFE AT 20 °C	70–80 AT 60°

01 PRODUCT OVERVIEW

NullCorr Epoxy Finish is a two-component, epoxy resin-based topcoat that cures by reaction with a polyamide hardener. It provides a glossy protective finish for compatible primed surfaces and industrial coating systems.

KEY CHARACTERISTICS

- Excellent adhesion and elasticity.
- High corrosion and abrasion resistance.
- High alkali and chemical resistance.
- Glossy finish; non-toxic pigments.

TYPICAL APPLICATIONS

- Primed steel, galvanised surfaces and aluminium.
- Wood and mineral surfaces.
- Structural steel and metal machinery.
- Exposure to water, seawater, chemicals and abrasion.

02 TECHNICAL SPECIFICATIONS

PROPERTY	VALUE / CONDITION
Resin type	Epoxy resin
Package viscosity at 25 °C	95–120 KU
Application viscosity at 20 °C	15–20 seconds, DIN 4
Density at 20 °C	1.45 ± 0.02 g/cm³
Solids by weight	72 ± 2%
Gloss / colour	70–80 gloss at 60° / RAL catalogue
Dry heat resistance / flash point	120 °C / 23 °C
Hardness	130; Persoz pendulum, 60 minutes at 50 °C
Salt spray / gasoline / mineral oil resistance	Minimum 400 / 450 / 440 hours, respectively
EU VOC content	338 g/L; method 2004/42/IIA(j)(400)
Component A packaging	15 kg / 3 kg

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03 SURFACE PREPARATION

- Remove dust, rust, grease and other contaminants. The surface must be clean and dry.
- For blast-cleaned steel, prepare to Sa 2 or preferably Sa 2½, as specified in the manufacturer's TDS.

04 MIXING AND APPLICATION

PARAMETER	APPLICATION REQUIREMENT
Mixing ratio by weight	Component A: 3 parts; Component B hardener: 1 part.
Mixing and induction	Mix A and B in the specified ratio; allow to rest for 5–10 minutes before application.
Pot life at 20 °C	7–8 hours. Prepare small quantities; do not use after pot life expires.
Methods and thinner	Airless or Airmix spray; brush for small areas. Roller parameters below. Use NullCorr Epoxy Thinner.
Application conditions	Minimum +5 °C; maximum +35 °C; relative humidity 50–65%.
Coats and film thickness	One or two coats. WFT: 85–100 µm; DFT: 45–60 µm.
Single coat coverage	8–10 m²/kg. Allow for surface condition and application losses.

EQUIPMENT SETTINGS

PARAMETER	AIRLESS SPRAY	AIRMIX SPRAY	ROLLER
Thinning ratio	5–10%	20–25%	10%
Pressure	140–150 bar	2.5–3 bar	—
Nozzle size	0.010–0.013 inch	1.4–1.6 mm	—

DRYING TIMES AT 50 µm DRY FILM THICKNESS

TEMPERATURE	TOUCH DRY	FULL CURE*	RECOAT INTERVAL
5 °C	12–14 hours	32–35 hours	32–35 hours
15 °C	8–10 hours	16–18 hours	16–18 hours
25 °C	4–6 hours	12–16 hours	12–16 hours
35 °C	2–4 hours	6–8 hours	6–8 hours

*"Full cure" is the source table heading. Chemical cure is separately specified as 7 days. Drying times vary with ambient temperature and relative humidity.

05 QUALITY CONTROL AND QUANTITY PLANNING

Check surface cleanliness and dryness, component ratio, induction time, pot life and application conditions. Monitor WFT, DFT, recoat intervals and finish against the specified coating system. Coverage is 8–10 m²/kg per coat; solids are reported by weight and volume solids are not provided.

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06 STORAGE AND SHELF LIFE

Store in a cool, dry place in original unopened packaging at 10–40 °C. Shelf life is 12 months.

07 HEALTH SAFETY AND ENVIRONMENT

Read and follow the current Safety Data Sheets for both components before handling.

CODE	HAZARD STATEMENT
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H361d	Suspected of damaging the unborn child.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.

- **P101 / P102 / P103:** Have the container or label available if medical advice is needed. Keep out of reach of children. Read the label before use.
- **P210 / P241:** Keep away from heat, sparks, open flames and hot surfaces. No smoking. Use explosion-proof electrical, ventilating and lighting equipment.
- **P301+P310:** If swallowed, immediately call a poison centre or doctor.
- **P303+P361+P353:** If on skin or hair, immediately remove contaminated clothing and rinse skin with water or shower.
- **P405 / P501:** Store locked up. Dispose of contents and containers in accordance with applicable local, regional, national and international regulations.

08 IMPORTANT APPLICATION INFORMATION

- If there is a long interval between coats, roughen the surface before applying the next coat.
- Avoid excessive film thickness to prevent solvent entrapment, slow drying, surface softening or solvent popping.
- Protect the coating during drying from rain and condensation to avoid white spots or blemishes.
- Prolonged UV exposure and high temperatures may cause colour change and chalking due to the nature of epoxy resin.

09 MANUFACTURER AND DOCUMENT INFORMATION

Manufacturer: Yalaz Boya, Turkey
Product: NullCorr Epoxy Finish – Component A
Distributor: Industrial Coatings Africa
Document: TDS-YZ-EPT-001 / Rev. 00 | Issue date: 01 November 2026

DISCLAIMER Product data are provided for general technical information. Application conditions and surface characteristics may influence performance. Follow the current Safety Data Sheets and applicable project specifications.

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