NULLCORR

SOLUTIONS FOR A STRONGER TOMORROW

TECHNICAL DATA SHEET

TARSHIELD

Two-component coal tar epoxy | Steel and concrete protection

62 ± 2%	3 : 1	75–100 µm	BLACK
VOLUME SOLIDS	MIX RATIO BY WEIGHT	DFT PER COAT	COLOUR

01 PRODUCT OVERVIEW AND APPLICATION

NullCorr TarShield is a two-component, coal tar epoxy-based protective coating providing high corrosion resistance on steel and concrete surfaces, particularly in industrial and moisture-exposed environments.

02 TECHNICAL SPECIFICATIONS

PROPERTY	VALUE / DESCRIPTION
Resin / hardener type	Coal tar epoxy / polyamide hardener
Colour	Black
Specific gravity at 20 °C	1.20 ± 0.05 g/ml
Finish	Glossy; may become matt over time
Solids by weight	71 ± 2%
Solids by volume	62 ± 2%
Flash point	22 °C
Dry heat resistance	100 °C
Maximum service temperature	55 °C under specified service conditions
Theoretical coverage	8 m²/L; 6.5 m²/kg at 75 µm DFT
Practical coverage	3–5 m²/kg at 75–100 µm DFT

Industrial Coatings Africa
Block KS33 Klan Street, off Dadeban Road, Adjacent
Promasidor Gh. Ltd. (Cowbell), North Industrial Area, Accra, Ghana
+233 50 765 6464 | +233 25 602 5000 | +233 25 602 5001 | +233 243 12 5882
www.industrialcoatingsafrica.com

03 APPLICATION DETAILS

PARAMETER	SPECIFICATION
Mixing ratio by weight	3 : 1
Pot life at 20 °C	8–12 hours
Wet film thickness (WFT)	125–165 µm
Dry film thickness (DFT)	75–100 µm per coat
Thinning	5–10% by weight with Yalaz Epoxy Thinner, depending on application method
Application temperature	5–35 °C
Application method	Brush, roller or airless spray
Number of coats	One or two

04 DRYING TIMES

Conditions: 20 °C and 65% relative humidity.

STAGE	TIME
Touch dry	2–3 hours
Hard dry	24 hours
Overcoating	Minimum 36 hours
Full cure	7 days

05 SURFACE PREPARATION AND APPLICATION

Steel surfaces should be abrasive blast-cleaned to **Sa 2½ (ISO 8501-1)**. All surfaces must be clean, dry and free from oil, grease and dust.

Mix both components thoroughly at the specified ratio and allow **5–10 minutes** before application. Apply by brush, roller or airless spray in one or two coats, with a minimum **36-hour interval** between coats.

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TARSHIELD

Storage | Precautions | Health and safety | Document information

06 STORAGE AND SHELF LIFE

Store unopened in original, tightly sealed containers at **5–35 °C**. Protect from excessive heat and moisture.
Shelf life: 12 months.

07 PRECAUTIONS AND EQUIPMENT CLEANING

Prepare only the quantity usable within the pot life. Maintain the specified mixing ratio and application temperature of 5–35 °C. Clean equipment immediately after use with **Merepoks Epoxy Thinner**. Do not discharge paint or residues into drains or waterways.

08 HEALTH AND SAFETY

Refer to the latest Safety Data Sheet (SDS) for detailed safety, handling and personal protection information. Keep out of reach of children. Use in well-ventilated areas. Keep away from heat, sparks and open flames. Avoid skin and eye contact.

HAZARD CODE	HAZARD STATEMENT
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.

09 MANUFACTURER AND DOCUMENT INFORMATION

Manufacturer: Yalaz Boya, Turkey
Product: NullCorr TarShield - Coal Tar Epoxy Coating
Distributor: Industrial Coatings Africa

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