NULLCORR

SOLUTIONS FOR A STRONGER TOMORROW

TECHNICAL DATA SHEET

BITSHIELD

Solvent-based bituminous asphalt paint | Exterior protection

2 coats	10 m²/L	BLACK	18 months
MINIMUM APPLICATION	SMOOTH SURFACES / COAT	COLOUR	SHELF LIFE

01 PRODUCT OVERVIEW

NullCorr BitShield is a solvent-based protective bituminous paint for external waterproofing, weather protection and corrosion resistance. Suitable substrates include ferrous and non-ferrous metals, corrugated iron, fibre cement, concrete, asphalt, cement, roofing felt and timber.

02 FEATURES AND BENEFITS

- Waterproof and weatherproof protection.
- Corrosion protection for metal surfaces and steelwork.
- Resistance to low concentrations of acids and alkalis.
- Suitable for concrete, masonry, metal, timber and asphalt.
- Forms an odourless and taint-free film when dry.
- Initial shiny black appearance may dull with prolonged sunlight exposure.

03 TECHNICAL SPECIFICATIONS

PROPERTY	VALUE / DESCRIPTION
Product type	Solvent-based bituminous paint
Colour / specified finish	Black / matt to semi-matt
VOC content	Maximum 400 g/L
EU VOC limit stated in source	500 g/L - Category 2(i), 2010
Recommended number of coats	Minimum 2
Coverage - metal / smooth surfaces	Approximately 10 m²/L per coat
Coverage - porous surfaces	Considerably lower; depends on porosity
Packaging	1 L / 2.5 L / 15 L
Shelf life	18 months

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04 RECOMMENDED APPLICATION AREAS

Exterior steel and iron structures; railings, gates, fire escapes, ladders, gutters, downpipes and corrugated metal sheets. Also suitable for concrete structures and foundations, stone, brick, masonry, concrete screeds, sand/cement surfaces, asphalt and timber.

05 SURFACE PREPARATION

SUBSTRATE / CONDITION	PREPARATION REQUIREMENT
All surfaces	Ensure surfaces are clean, dry and free from oil, dirt, dust and loose debris.
Metal surfaces	Remove all loose rust using a wire brush.
Advanced corrosion	Treat affected areas with a suitable rust inhibitor.
Porous surfaces	Apply an initial coat of suitable Bitumen Primer before BitShield.

06 APPLICATION METHOD AND EQUIPMENT

Stir thoroughly before use. Apply evenly and avoid excessive application or product accumulation. Apply a minimum of two coats, allowing the first coat to dry before applying the second. Prime porous surfaces with a suitable Bitumen Primer.

PARAMETER	GUIDANCE
Equipment	Brush, roller or suitable airless spray equipment.
Spray settings / thinning	Pressure, nozzle size and thinning ratio are not specified in the source. Use equipment suitable for solvent-based bituminous coatings.

07 COVERAGE

Allow approximately **10 m²/L per coat** on metal and smooth surfaces. Coverage on porous surfaces is considerably lower and depends on substrate porosity and condition. A minimum of two coats is recommended.

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08 TOOL CLEANING AND SPILLAGES

Clean tools with White Spirit. Wipe off minor spillages before the product dries. Absorb major spillages immediately with an inert absorbent material, such as sand, and dispose of the waste in accordance with applicable regulations.

09 STORAGE AND SHELF LIFE

Keep containers tightly sealed when not in use. Store under cover, away from direct heat and ignition sources. Protect from water contamination and keep out of reach of children.

Shelf life: 18 months in unopened original packaging under the manufacturer's recommended storage conditions.

10 HEALTH AND SAFETY

- Solvent-based product.
- Keep away from heat, sparks, open flames and other ignition sources.
- Ensure adequate ventilation during application.
- Avoid inhalation of vapours and contact with skin and eyes.
- Refer to the product Safety Data Sheet (SDS) before use.

11 MANUFACTURER AND DOCUMENT INFORMATION

Manufacturer: Yalaz Boya, Turkey
Product: NullCorr BitShield - Bituminous Asphalt Paint
Distributor: Industrial Coatings Africa

12 DISCLAIMER

The information in this technical data sheet is based on the manufacturer's published product information. Actual performance and coverage may vary with substrate condition, porosity, application method and environmental conditions. Always follow the relevant application instructions and safety recommendations.

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