

BELMOPHEN

EPOXY PHENOLIC

Marine & Protective Coatings



PRODUCT DATA SHEET

Issued on May 9th 2026

PRODUCT DATA

Finish: Matt
Colors: Reddish, Grey
Volume Solids: 64 ± 2 %
Flash point: 29°C 84.2°F)
Density: 1.6 kg/l
VOC EPA Method 24: 344 g/l

THINNER

NBC Epoxy Thinner

MIX RATIO

Double pack product

PACKAGING

Comp. A: 17.5 Liters pails
Comp. B: 2.5 Liters pails

STORAGE

The product must be stored in accordance with national regulations. Keep the containers in a dry, shaded, cool, well-ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf Life 12 months unopened.
Store indoors at 4.5°C (40°F) to 38°C (100°F).



PRODUCT DESCRIPTION

BELMOPHEN is a two-component polyamine-crosslinked phenolic novolac epoxy lining engineered for versatile chemical containment. This formulation is qualified for multi-coat application, as a primer, intermediate, or topcoat, in both atmospheric exposure and continuous immersion service. Applicable to abrasive-blasted carbon steel, profiled stainless steel, and prepared concrete.

INTENDED USE

Engineered specifically for the internal protection of onshore, offshore, and underground tanks and piping systems. It is applicable on the internal surfaces of chemical vessel storage, process water, wastewater, and grey water. Additionally, it is highly suited for fire protection lines, drilling mud tanks, and concrete safety walls.

RECOMMENDED SPECIFICATION

Typical Thickness:

Recommended Spreading Rate per coat:

Dry film thickness	80 - 160 µm
Wet film thickness	125 - 245 µm
Theoretical spreading rate	3.94 - 7.88 m ² /l

Average Drying Times:

15°C (59°F) | 25°C (77°F) | 43°C (110°F)

Touch:	12 hours	4 hours	2 hours
Handle:	20 hours	8 hours	4 hours
Recoat:	20 hours	8 hours	4 hours
Cure:	14 days	7 days	3 days
Pot life:		2 hours	

Drying time is temperature, humidity, and film thickness dependent.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

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NEW BELMONT

★ SUPERIOR QUALITY ★

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APPLICATION CONDITIONS

Temperature
(air, surface, material):
4.5°C (40°F) min
49°C (120°F) max
At least 2.8°C (5°F) above dew
point.
Relative humidity: 85% max.

WARRANTY

New Belmont Coatings LLC warrants our products to be free of manufacturing defects in accordance with applicable NBC quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by NBC.



Minimum recommended surface preparation:

Iron & Steel: SSPC-SP6/NACE 3, 2 mil (50 micron) profile

Stainless steel & Aluminum: Abrasive blast cleaning to achieve a surface profile using non-metallic abrasive media which is suitable to achieve a sharp and angular surface profile.

Concrete: Dry abrasive blast cleaning to SSPCSP 13/NACE No. 6.

APPLICATION

Airless Spray:

Nozzle Pressure: 2100 psi minimum (150 bar)

Nozzle orifice: 0.017"- 0.021"

Filter: 60-100 mesh

Reduction: As needed up to 4% by volume

Spray data is indicative and subject to adjustments

Brush: Nylon/Polyester or Natural Bristle

Reduction: not recommended

Roller: Cover: 1/4"-3/8" woven with solvent resistant core

Reduction: not recommended

COLOR & GLOSS VARIATION

Slight deviations in color may occur between production batches of primer and antifouling products. When subjected to atmospheric weathering and solar radiation, these products as well as epoxy-based topcoats, may exhibit chalking. Furthermore, the retention of gloss and color in topcoats depends on several factors. These include the paint type, specific pigment selection, application standards, and environmental conditions such as temperature and UV intensity.

ADDITIONAL NOTES

The product is for professional use only. Personnel shall be trained, experienced, and use the equipment to mix/stir well and apply the product properly. Applicators shall use appropriate personal protection equipment when using this product. Always comply with New Belmont Coatings LLC technical data.

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DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of New Belmont Coatings LLC. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Published technical data and instructions are subject to change without notice. Contact New Belmont Coatings LLC for additional technical data and instructions.