BELMOFORTE

EPOXY SOLVENT-FREE

Marine & Protective Coatings

NEW BELMONT
★ SUPERIOR QUALITY ★

PRODUCT DATA SHEET

Issued on May 9th 2026

PRODUCT DATA

Finish: Gloss
Colors: White, Grey
Volume Solids: 100 %
Flash point: 100°C (212°F)
Density: 1.4 kg/l
VOC EPA Method 24: 2 g/l

THINNER

NBC Thinner is not necessary

MIX RATIO

Double pack product

PACKAGING

Comp. A: 10 Liters pails
Comp. B: 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

BELMOFORTE is a two-component, 100% solids amine-cured epoxy system designed for the lining of drinking water reservoirs. This solvent-free coating provides a durable finish for tanks and structures. Whether applied to steel, aluminum, or concrete, it functions as a complete primer-to-finish system for both atmospheric and fully immersed environments.

INTENDED USE

Developed for the protection of pipes and tanks used for drinking water. It is approved to meet the safety standards required for potable water storage.

RECOMMENDED SPECIFICATION

Typical Thickness:
Recommended Spreading Rate per coat:

Dry film thickness	150 - 400 µm
Wet film thickness	150 - 400 µm
Theoretical spreading rate	2.5 - 6.7 m²/l

Average Drying Times:

	10°C (50°F)	25°C (77°F)	43°C (110°F)
Touch:	15 hours	10 hours	3 hours
Handle:	25 hours	13 hours	5 hours
Recoat:	25 hours	13 hours	5 hours
Cure:	14 days	7 days	4 days
Pot life:		30 minutes	

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.

BELMOFORTE

EPOXY SOLVENT-FREE

Marine & Protective Coatings

NEW BELMONT
★ SUPERIOR QUALITY ★

PRODUCT DATA SHEET

Issued on May 9th 2026

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.
Composite: The surface shall be hand or machine abraded to impart a scratch pattern to the surface.
Concrete: Dry abrasive blast cleaning to SSPCSP 13/NACE No. 6.

APPLICATION

Airless Spray:
Application should be performed using standard airless spray machinery
Nozzle Pressure: 2500 psi minimum (175 bar)
Nozzle orifice: 0.019"- 0.025"
Filter: 60-100 mesh
Spray data is indicative and subject to adjustments
Brush: Appropriate for stripe coating and limited-access areas. Precise application is required to maintain the prescribed dry film thickness (DFT)

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.

SUPPLEMENTARY DATA

Post-Curing Tank Sanitization Guide
Once the coating has fully cured, the tank must undergo a thorough cleaning before entering service. While the Norwegian Institute of Public Health offers various approved methods, you may also utilize one of the following:

- **Pressure Wash:** Use fresh water at a minimum of 30°C (86°F).
- **Steam Clean:** Standard steam application across all surfaces.
- **Manual Scrub:** Use warm water combined with an alkaline detergent.

Final Rinse and Drying:
Following the initial wash, flush all surfaces with clean, fresh water. For systems adhering to BS6920, ensure the coating is fully cured and rinsed prior to use.
Warm Water Systems:
To optimize the cure for warm water use, maintain 23°C (73.4°F) for 7 days. Follow this with a 4-hour fresh water flush at a temperature sufficient to keep the steel at 50°C (122°F).
Critical Step:
Pump the tank dry upon completion. Use rags or towels to remove any standing water. Do not allow water to evaporate, as this concentrates contaminants rather than removing them.

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.