

# Bar-Rust 234P

## Solvent-free potable water tank lining



Bar-Rust<sup>®</sup> 234P is a two component, 100% solids, heavy duty epoxy lining, providing corrosion protection for the interiors of steel storage tanks for potable water.

When applied to the correct specifications, Bar-Rust<sup>®</sup> 234P conforms to international NSF/ANSI Standard 61 for the storage of potable water.

With a 100% volume solids formulation, Bar-Rust<sup>®</sup> 234P is designed to reduce solvent emissions and eliminate the risk of solvent retention which can influence water quality.

Suitable for application as a single coat system using plural component spray equipment, Bar-Rust<sup>®</sup> 234P has been specially formulated to provide rapid return to service. This assists with contract schedules.

- Solvent-free, high build, amine-cured epoxy tank lining
- Hard, gloss coating which provides a long-life, easy clean, low maintenance surface for safe water storage
- Low temperature application down to 35°F (2°C)
- 100% solids formulation which minimizes solvent emission, explosion risk and fire hazard
- Benzyl alcohol free, further reducing risk of taste and smell in potable water tanks
- Part of an initiative to promote the use of environmentally sensitive products



## Technical information

Colors	White
Volume solids	100% ± 2%
Film thickness	25-50 mils (625-1250 microns)
VOC*	0.12 lbs/gal (15 g/L)

\* Volatile organic compounds.

DRY TIME TEMPERATURE	HARD DRY	MINIMUM	MAXIMUM
32°F (0°C)	24 hours	5 hours	7 days
77°F (25°C)	4 hours	3 hours	7 days

## Test data

TEST TYPE	TEST METHOD	TYPICAL RESULTS
Abrasion resistance	ASTM D 4060 CS-17	160 mg loss
Adhesion	ASTM D 4541 (Type IV Elcometer)	3000 psi (206.8 bar)
Humidity resistance	ASTM D 4585 (1 year)	No effect on film integrity or adhesion
Impact resistance	ASTM D 2794	60 in lbs (6.77 Nm) (direct)
Pencil hardness	ASTM D 3363	6H
Salt fog resistance	ASTM B 117 (2000 hours)	No effect on film integrity or adhesion
Hardness	ASTM D 2240 (Type D)	60 (durometer)
Water immersions	ASTM D 1308 (1 year)	No effect
Vapor permeance	ASTM E 96	< 0.1

The above performance data has been compiled based on present experience of in-service product performance and upon performance data obtained under laboratory test conditions. Actual performance of the product will depend upon the conditions in which the product is used.

NOTE: Devoe® Bar-Rust® 234P is recommended for water tank painting applications only. For the most recent approvals, please visit [www.nsf.org](http://www.nsf.org). Please consult with AkzoNobel Technical Support for pipe coating recommendations.

The power to protect™

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