



Product Data Sheet

16746 UniBar Solvent Free

A universal anticorrosive Solvent Free epoxy coating, pigmented with micaceous iron oxide which, applied as a single coat system, combines a high quality protection with an easy application.

APPLICATION

Universal application characteristics, the product can be applied as primer and/or coating on steel in aggressive and industrial environments.

This product will be especially used in circumstances where solvent emissions cause problems (inside preservation of tanks, etc.).

Resistant to spill of water, various solvents and chemicals. When high chemical resistance is required, curing agent 16746V CRT should be applied.

In case of blasted steel substrates, an RA-value of 5 to 10 microns, 0.2 to 0.4 mils should be taken into account.

WORKING PROCESS

Mixture	Base component 4 parts by volume Curing agent 1 part by volume
Mixing instructions	Mix base component and curing agent intensively, preferably using a mechanical mixing device. The temperature of the mixed product should at least be 10°C/50 °F. during application.
Thinning	The paint can be applied with all kinds of spraying equipment. The quantity of thinner EP5800 depends on the spraying equipment and application method.
Pot life	Approx. 30 min. (at 20°C/68 °F.)
Application circumstances	In order to obtain good drying the temperature needs to be at least 5°C/41 °F. The temperature of the substrate 3°C/37 °F. above dew point. Keep area good ventilated during the application and drying in order to reduce emissions.
Method of application	Preferably by means of airless spraying. When using brushes, a different film thickness and possibly inferior flow will be achieved. Use solvent S5102 to obtain good flow properties.

PERFORMANCES

Gloss	Silky (starting gloss).
Colour	RAL colours (chrome and lead free)
Volume solids	100 % (mixed product)
VOC	Not applicable
Dry film thickness	Standard: 150-500 microns, 6-20 mils.
Theoretical coverage	At a dry film thickness of 200 microns: 5 m ² /ltr. At a dry film thickness of 8 mils: 23.5 ft ² /gal The performance in practice depends on various factors.
Practical coverage	As a guideline for airless spraying: For large dimensions: 70 % of the theoretical coverage. For small dimensions: 50 % of the theoretical coverage.
Heat resistance	maximum 150°C/302 °F dry load
Density	1.60 kg/ltr., 1.33 lb/gal (mixed product at 20°C/68 °F)

Drying times: at a standard dry film thickness of 150-200 microns, 6-8 mils.

	5°C/41 °F	10°C/50 °F	20°C/68 °F	30°C/86 °F
Dust free	24 hours	16 hours	12 hours	10 hours
Manageable	48 hours	32 hours	24 hours	20 hours
Fully cured	14 days	10 days	7 days	5 days
Recoatable	36 hours	24 hours	18 hours	15 hours

During drying and curing the relative humidity should remain below 80%.

Furthermore, any contact with moisture must be avoided during drying and curing period.

In contact with moisture, white stains could appear. These stains will not disappear, not even after a longer period.

PROCESSING DATA

	Airless spray	Airmix
Thinner	EP5800	EP5800
Quantity	0-10 vol .%	5-10 vol .%
Spray opening	0.015-0.019 inch	0.015-0.019 inch
Flow pressure	150-175 bar, 2000-22500 psi	70-100 bar, 1000-1500 psi
Dry film	50-500 microns, 2-20 mils	80-160 microns, 3.2-6.4 mils
	Brush/roller	
Thinner	S5102	
Quantity	0-5 vol .%	
Brush/roller	Suitable for 2 pack products	
Dry film	100 microns, 4 mils	

Cleaning tools: Immediately after application using thinner EP5800

ENVIRONMENT AND HEALTH

Labelling	In accordance with EU directions 67/548/EEG and in accordance with directives on hazardous materials. Harmful and irritating in contact with skin, eyes and by inhalation. In case of eye contact, immediately wash with large amounts of water and contact a medical expert. Do not eat, drink or smoke during application.
UN	1263

PRODUCT INFORMATION

Packaging	5 gallon pails and 50 gallon drums. Thinner in 5 gallon pails.
Shelf-life	In original well shut packaging 12 months, stored inside at temperatures between 5°C/41°F and 40°C/104°F.
Attention	Because Baril Coatings B.V. has got no influence on the application methods and circumstances, no liability can be taken based on the above data.

WARRANTY & DISCLAIMER

The technical data and other printed information furnished are true and accurate to the best of our knowledge. The products are warranted pursuant to acceptance of limited warranty. A copy of which can be obtained from Baril Coatings, which is the exclusive warranty with respect to the sale of this product. The modification of any component or uses not outlined in this bulletin nullifies the warranty unless advance written confirmation is obtained from Baril Coatings. No other warranties expressed or implied shall apply. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, shall be to supply replacement materials as set forth in the limited warranty.

Baril BV	Phone +31 (0) 73 6419 890
Baril USA	Phone +1 260 665 8431
Baril Poland	Phone +48 (0) 32 271 01 83
Baril China	Phone +86 (0) 10 64413363

