



Product Data Sheet

16638 UniCure AL

A surface tolerant, two component, EPA compliant anticorrosive high solids modified epoxy based aluminium primer/coating.

APPLICATION:

Specially developed as maintenance primer/coating on ST-2 cleaned surfaces, hand prepared steel and old paint systems, as well as SA½ blasted substrates. Fast water resistance and good wetting properties makes it suitable for application during high relative humidity (+90%, damp surface). Good curing at low (<5°C/41°F.) temperatures. Recoatable with epoxy and polyurethane coatings and alkyd products. Single coat under insulation.

A very tight, impenetrable coating, resistant to abrasion, chemical impact and water immersion, even as a single coat system. Easy application and high film build by airless or brush.

WORKING PROCESS

- Mixture: 16638 UniCure AL Base component 1 part by volume
16638 UniCure AL 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 5°C/41°F. during application
- Thinning: The paint can be applied without thinning when using airless spray equipment. For application with an air spray an amount of thinner EP5800 must be added.
- Potlife: At 20°C/68°F. 4 hours (mixed product).
- Application-conditions: In order to obtain the right film formation, the temperature needs to be at least 5°C/41°F. The temperature of the substrate 3°C/5,4°F above dew point. Keep application area well ventilated during application and drying in order to reduce evaporated solvents. This is necessary to acquire good drying conditions.
- Method of application: Preferably by means of airless spray or airmix application. When using brushes, a different film thickness and possibly inferior flow will be achieved.

PERFORMANCES

Gloss	Full Gloss			
Colour	Aluminium.			
Volume solids	82 volume % (mixed product)			
VOC	160 gr/ltr. - 1,3 lbg/gal.			
Density	At 20°C./68°F. 1,40 kg/ltr. - 11,68 lbs/gal. (mixed product).			
Dry film thickness	Standard: 125-250 µm - 5-10 mills (depends on application process)			
Theoretical coverage	At a dry film thickness of 125 µm 6,6 m ² /ltr. At a dry film thickness of 5 mills 263 ft ² /gal.			
Practical coverage	The performance in practice depends on various circumstances. 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 200°C/392.°F (dry load)			
Dry times: at a standard dry film thickness of 250 µm - 10mills				
	5°C/41°F	10°C/50°F	20°C/68°F	30°C/86°F
Dust free:	12 hours	6 hours	4 hours	2 hours
Manageable:	48 hours	30 hours	16 hours	8 hours
Recoatable:	24 hours	16 hours	8 hours	5 hours
During drying and curing the relative humidity should remain under 80%. Furthermore, any contact with moisture must be avoided during this period.				

16638 UniCure AL

PROCESSING DATA

	Airless spray	Airmix
Thinner	EP5800	EP5800
Quantity	0-10 vol. %	5-10 vol. %
Spray opening	0,015-0,017 inch	0,015-0,017 inch
Flow pressure	150-175 bar / 2175-2537,5 psi	70-100 bar / 1015-1450 psi
Dry film thickness	125-250 µm/ 5-10 mills	125-250 µm/ 5-10 mills
	Brush-Roller	Air spray
Thinner	S5102	EP5800
Quantity	0-5 vol %	5-10 vol. %
Spray opening		2,0-3,0 mm
Flow pressure		3-4 bar / 43,5-58 psi
Dry film thickness	125 µm / 5 mills	125-250 µm/ 5-10 mills

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

PRODUCTS 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 en 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) 323700441
Baril China Phone +86 (0) 10 64413363

20080319

