

PRODUCT DATA SHEET

Sikagard® P 659

(formerly MProtect P 659)

AMINE-CURED EPOXY PRIMER

DESCRIPTION

A deep penetrating epoxy primer. For use with Sikagard® protective coating systems. Suitable for use in hot and tropical climatic conditions.

USES

Sikagard® P 659 is applied to cementitious substrates where a strong bond is required.

FEATURES

- Excellent penetration properties
- May be spray applied
- Very good overall chemical resistance
- Improves bond of Sikagard® systems
- Highlights pinholes and blowhole defects in concrete substrate

PRODUCT INFORMATION

Packaging	23.25 kg (17.5 L) units (Part A + Part B)
Shelf life	12 months from date of production
Storage conditions	Store properly in original, unopened, sealed and undamaged packaging in dry conditions at temperatures between +5°C and +30°C. Protect from direct sunlight, heat and moisture.
Colour	White
Density	~1.33 kg/l (25°C)
Solid content by volume	~54 %
Volatile organic compound (VOC) content	≤ 380 g/l

TECHNICAL INFORMATION

Temperature resistance	<ul style="list-style-type: none">▪ Immersion temperature resistance is dependent on exposure.▪ Do not use as immersed in water with temperature over +60°C.▪ Please consult Sika Technical Department for specific information and project recommendation.
-------------------------------	---

APPLICATION INFORMATION

Consumption	As a guide: ~150 - 300 g/m ² These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level and wastage, etc..	
Dew point	Temperature must be at least 3°C above dew point.	
Pot Life	Working Time:	Temperature:
	~4 hours	+25°C
	~90 minutes	+40°C
Tack free time	~1 hour	at 25°C
	~30 minutes	at 40°C
	Times are approximate and will be affected by changes in ambient conditions, particularly temperature and relative humidity.	
Waiting time to overcoating	~6 hours	at 25°C
	~4 hours	at 40°C
	Times are approximate and will be affected by changes in ambient conditions, particularly temperature and relative humidity.	

BASIS OF PRODUCT DATA

- All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
- Internal Reference - Version: MBS_CC-UAE/SI_P659_11_09/v6/05_17

IMPORTANT CONSIDERATIONS

- Epoxies lose gloss, discolour and will chalk in direct sunlight exposure.
- Ventilation: When used as a tank lining or in enclosed areas, continuous air circulation must be provided during and after application until product is cured. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Surfaces must be clean and dry. Use suitable methods to remove dirt, dust, oil and all other forms of contamination that could interfere with the adhesion of the primer.

CONCRETE

Concrete must be cured for min. 28 days. Mechanically surface profiling is the method of surface preparation. Mechanically profile the surface to CSP3 as described by the International Concrete Repair Institute. Voids and pinholes must be repaired.

STEEL

Prepare to SSPC-SP6. Surface profile 50 - 75 micron.

MIXING

- Sikagard® P 659 is supplied in two pre-weighed components, base and reactor.
- No additions or omissions are required. Do not split the kit, mix full unite only.
- Add reactor contents to the base component and mix thoroughly by using a slow speed drill fitted with a suitable mixing paddle until a uniform streak free color is achieved.

APPLICATION

Sikagard® P 659 may be applied by airless spray, brush or roller.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with suitable thinner (e.g. Xylene), immediately after use. Hardened and/or cured material can only be removed mechanically.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika Gulf B.S.C. (c)

Tel: +973 177 38188
Email: info@bh.sika.com
Sika Kuwait Cons. Mat. & Paints Co WLL
Tel: +965 22 282 296
Email: sika.kuwait@kw.sika.com
Web: gcc.sika.com

Sika UAE LLC

Sika MB Construction Chemicals LLC
Sika International Chemicals LLC
Tel: +971 4 439 8200
Email: info@ae.sika.com
Web: gcc.sika.com

Sika Saudi Arabia Limited

Sika Construction Chemicals for
Manufacturing LLC
Riyadh / Jeddah / Dammam / Rabigh
Tel: +966 12 692 7079
Email: info@sa.sika.com
Web: gcc.sika.com

Sika LLC - Oman

Master Builders Solutions LLC
(part of Sika)
Tel. +968 22 826 500
Email: info@om.sika.com
Web: gcc.sika.com



ISO 9001, 14001, 45001 – SGS
- Sika UAE LLC
- Sika International Chemicals LLC
- Sika Gulf B.S.C. (c)
- Sika MB Construction Chemicals for Manufacturing LLC
- Sika Construction Chemicals for Manufacturing LLC
- Master Builders Solutions LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



Product Data Sheet

Sikagard® P 659

September 2024, Version 02.01
02030300000002031

