

PRODUCT DATA SHEET

Sikagard[®]-62 MYI

Non toxic epoxy tank lining and protective coating

DESCRIPTION

Sikagard[®]-62 MYI is a two part, high solid, non-toxic epoxy tank lining and protective coating.

USES

Sikagard[®]-62 MYI provides a non-toxic coating to concrete and steel surfaces which is both chemical and corrosion resistant. It is suitable for tank lining to safely store potable water in ballast, storage tank and secondary containment etc.

CHARACTERISTICS / ADVANTAGES

- Safe for contact with potable water
- Low maintenance
- Cured film is highly resistant to chemical and abrasion
- Self priming - used as primer / top coat

PRODUCT INFORMATION

| | | |
|----------------------------|---|---|
| Packaging | Part A | 6 kg pail |
| | Part B | 1 kg pail |
| | Part A + B | 7 kg set |
| Appearance / Colour | Colour | <ul style="list-style-type: none"> ▪ White ▪ Light blue ▪ Other colours available on request |
| | Finish | Gloss |
| Shelf Life | 12 months from the date of production | |
| Storage Conditions | Store in original unopened packaging in a cool and dry place. | |
| Density | ~1.47 kg/l | |
| Solid Content | 85 ± 1 % | |

TECHNICAL INFORMATION

| Chemical Resistance | Exposure | Immersion | Splash & Spillage |
|---------------------|------------|-----------|-------------------|
| | Acids | Good | Excellent |
| | Alkali | Good | Excellent |
| | Solvent | Good | Excellent |
| | Salt Water | Excellent | Excellent |
| | Water | Excellent | Excellent |

Contact Sika Technical Service Department for specific information on chemical resistance.

Temperature Resistance ~60 °C

APPLICATION INFORMATION

Mixing Ratio Part A : Part B = 6 : 1 by weight

Consumption ~3.6 m²/kg/coat at 150 microns thickness, 2 coats

| Layer | Consumption | Wet Film Thickness | Dry Film Thickness |
|----------|-------------------------|--------------------|--------------------|
| 1st coat | ~0.28 kg/m ² | ~180 micron | ~150 micron |
| 2nd coat | ~0.28 kg/m ² | ~180 micron | ~150 micron |
| Total | ~0.56 kg/m ² | ~360 micron | ~300 micron |

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage.

Ambient Air Temperature +10 °C min. / +30 °C max.

Relative Air Humidity 80 % r.h. max.

Dew Point Beware of condensation!
The substrate must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the surface finishing.
Note: Low temperatures and high humidity conditions increase the probability of blooming.

Substrate Temperature +10 °C min. / +30 °C max.

Substrate Moisture Content < 4 % pbw moisture content
Test method: Tramex Moisture Meter or Oven-dry-method.
No rising moisture according to ASTM D 4263 (Polyethylene sheet method)

Pot Life ~1 hour at 30 °C

| Curing Time | Temperature | Foot traffic | Light traffic | Full cure |
|-------------|-------------|--------------|---------------|-----------|
| | +30 °C | ~16 hours | ~3 days | ~7 days |

Note: Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Waiting Time / Overcoating Before applying Sikagard®-62 MYI on Sikagard®-62 MYI allow:

| Substrate temperature | Minimum | Maximum |
|-----------------------|----------|-----------|
| +30 °C | 16 hours | 48 hours* |

Sika recommends the latter coat of Sikagard®-62 MYI be applied as soon as possible after the minimum overcoating time to reduce the risk of possible contamination to the previous coat.

Note: The times are approximate and will be affected by changing ambient conditions.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Do not apply Sikagard®-62 MYI on substrates with rising moisture.
- Do not apply when substrate temperature is rising. Application of Sikagard®-62 MYI should be carried-out when substrate temperature is falling, preferably in the evening until night.
- Avoid puddles on the surface with primer.
- Freshly applied Sikagard®-62 MYI should be protected from damp, condensation and water for at least

24 hours.

- Always ensure adequate fresh air ventilation when using Sikagard®-62 MYI in confined spaces
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- The "gloss" of the finish can vary with temperature and the absorbency of the substrate.
- For spray application the use of protective health and safety equipment is mandatory. For more information contact Sika Technical Service Department.

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

Concrete

- New concrete shall be allowed to cure for at least 28 days.
- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²).
- The concrete substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments that may inhibit bonding.
- Concrete substrates must be prepared mechanically using abrasive methods (eg. grinding, shot-blasting) to remove laitence and weak concrete, and expose surface defects such as blowholes and voids.
- Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried-out using appropriate products from the Sikadur[®] and Sikagard[®] range of materials.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

Steel Surface

- Steel surface shall be prepared using dry blasting method (eg. sand blasting) to SSPC-SP10 or SA 2½, near white metal finish with a minimum blast/surface profile of 35 to 50 microns.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum

MIXING

Stir each component separately using an electric drill (~750 rpm) fitted with a paint mixer or a wing type mixing paddle. Then pour the entire content of Part B into Part A and continue to mix for 2–3 minutes until a homogenous mix is observed. Decant the mixed material into another clean container and mix for another 30–60 seconds. Sikagard[®]-62 MYI is now ready to be applied to the substrate.

Important Note:

- Mix only full set of Sikagard[®]-62 MYI to avoid problems associated with curing and/or drying of the product.
- Manual mixing or hand mixing of Sikagard[®]-62 MYI is not recommended. Always use an electrical/mechanical mixer. For more information on mixing, please contact Sika Technical Service Department.

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APPLICATION

Priming

Priming is not required provided the substrate is adequately prepared. If concrete surface is porous, treat surface with primer. A second coat of primer may be required if the substrate is very porous.

Airless and conventional spray

For spray application, thin Sikagard[®]-62 MYI up to 15 % with Sika[®] Thinner C to improve workability. Apply Sikagard[®]-62 MYI with two coats of full strength. Application must be carried out in accordance to manufacturer's written instruction.

Roller and brush

For less demanding job, rolling and brushing is acceptable.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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.

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