

PRODUCT DATA SHEET

Sika MonoTop® Fairing Coat (NZ)

THIN LAYER SEALING AND LEVELLING MORTAR

DESCRIPTION

Sika MonoTop® Fairing Coat (NZ) is a one component, polymer modified, cementitious levelling mortar containing reactive silica fume. Sika MonoTop® Fairing Coat (NZ) is part of the MonoTop System for concrete repair and protection.

USES

Sika MonoTop® Fairing Coat (NZ) is used as a thin layer levelling and protective sealing mortar on concrete, mortar and masonry surfaces.

Typical applications are:

- Filling honeycombed or surface damaged concrete.
- Levelling off surface imperfections caused by faulty formwork.
- Re-profiling of damaged corners and edges.
- Fairing coat before application of other coatings.
- For use in conjunction with the Sika MonoTop Repair System to provide a smooth, even and uniform finish.

CHARACTERISTICS / ADVANTAGES

- One component, mix with water only.
- Thin layer applications possible.
- Excellent workability.
- Good substrate adhesion.
- Good mechanical strength.
- Improved sulphate resistance.
- Good resistance to water and chloride ion penetration.

PRODUCT INFORMATION

Packaging	18 kg bag
Appearance / Colour	Light grey powder. Mid grey when applied.
Shelf Life	Six (6) months from date of manufacture when stored as stated.
Storage Conditions	Store in unopened original packaging in cool dry conditions below +25°C.
Density	Approx. 2kg/litre - wet density of freshly mixed mortar

APPLICATION INFORMATION

Mixing Ratio	Mixing ratio by weight: 1 part water : 3 parts powder (approx).
Yield	18 kg = 12 litres when mixed with 6.0 litres of water
Layer Thickness	Minimum 1 mm – Maximum 3 mm.
Pot Life	20 minutes approx. at 20°C.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- All surfaces must be clean, and free from any loosely adhering particles, or contaminants such as dirt, oil, dust, grease, etc.
- Cement laitance should be removed by sandblasting, scabbling, etc. to allow for maximum adhesion.
- Any existing paints or coatings must be completely removed.
- All blowholes, honeycombing etc. should be filled with Sika MonoTop® Fairing Coat (NZ) mixed to mortar consistency. Brick and blockwork surfaces should be flush pointed with the same mix.
- Dry and absorbent substrates should be thoroughly pre-wetted, and the surface allowed to dry (to achieve what is referred to as a 'saturated surface dry' condition) before application commences.

MIXING

- Pour 5 – 6 litres (maximum) of clean fresh water into a suitable mixing container and slowly add all of the powder while mixing continuously with a Sika mixing paddle attached to a slow speed (500 r.p.m) electric drill.
- Thoroughly mix until a smooth, lump free consistency is achieved - minimum mixing time of 3 minutes is recommended.
- The consistency can be adjusted by using less water if desired.

APPLICATION

- Apply Sika MonoTop® Fairing Coat (NZ) to the prepared and dampened surface according to general plastering methods using a spatula, trowel or similar.
- Sika MonoTop® Fairing Coat (NZ) can also be applied using air driven spray equipment.
- Maximum thickness in a single layer = 3mm.
- If the Sika MonoTop® Fairing Coat (NZ) is to be over coated, as soon as the mortar layer has initially hardened, a fine gripping surface, comparable to sand paper, should be achieved by evenly rubbing down with a dry sponge or similar.

CLEANING OF TOOLS

Clean all tools and equipment with water immediately after use. Hands and skin should be cleaned with warm soapy water. Hardened Sika MonoTop® Fairing Coat (NZ) can only be removed mechanically.

LIMITATIONS

- Rapid drying out due to sun or strong wind must be avoided. To aid curing protect fresh surfaces with water spray, wet hessian or polythene sheets for a minimum of 3 days. If no further coatings are to be applied to the finished surface, a membrane curing compound may be used. Refer to Antisol® data sheet for further information.
- If overcoating Sika MonoTop® Fairing Coat (NZ) with decorative or protective coatings it must not be finished off with steel or plastic implements. The sur-

- face must have a finish compared to fine sandpaper.
- Sika MonoTop® Fairing Coat (NZ) will not bridge live cracks.
- Never apply Sika MonoTop® Fairing Coat (NZ) to a dry substrate.
- Sika MonoTop® Fairing Coat (NZ) is not suitable for use as an adhesive for tiles.
- High quality, long term repairs can only be achieved if they are carried out conscientiously by experienced applicators giving adequate detail to surface preparation, priming of concrete and steel, mixing of repair mortars, application and curing

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.

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.

ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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