Sikafloor®-2 SynTop
Non-Metallic Dry Shake Floor Hardener
(Formerly Armorex Armorshield)

Description
Sikafloor - 2 SynTop is a synthetic dry shake hardener for concrete comprising of cement, hard aggregates, compatible admixtures and pigment. Sikafloor - 2 SynTop provides a hard wearing, non metallic dry shake topping for monolithic floors. When sprinkled and trowelled into fresh wet concrete floors, it forms a coloured, wear resistant, smooth surface.

Uses
- Warehouses,
- Distribution Centres,
- Factories,
- Workshops,
- Museums,
- Offices,
- Aircraft Hangars,
- DIY Stores,
- Industrial Facilities,
- Shopping Malls,
- Supermarkets.

Advantages
- 20 year Agrément Certificate,
- High wear resistance rating,
- Impact resistance,
- Increased resistance to oils and grease,
- Cost effective, long life floor,
- Maintenance free,
- Dust-proof,
- Fast track application,
- Available in colours,
- Fibre suppressant for concrete slabs.

Technical Data

<table>
<thead>
<tr>
<th>Colour</th>
<th>Refer to colour chart and current price list for availability and minimum order quantities.</th>
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<tbody>
<tr>
<td>Material consumption</td>
<td>Sikafloor - 2 SynTop: 5 kg/m² Sikafloor ProSeal: 10-12 m²/litre</td>
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Mechanical Properties

| Abrasion resistance    | Conforms to BS8204 ‘AR1’ Class
                        | Average 0,05 mm wear                                        |
|-------------------------|-----------------------------------------------------------|
| Approvals               | British Board of Agrément Certificate No 97/3334
                        | All above values are approximate.                          |
| General                 | - To ensure a high standard of colour consistency it is essential that the floor laying operation is as clean and protected an environment as possible.
                        | - Every effort should be made to ensure an even application of Sikafloor - 2 SynTop. Correct timing and trowelling techniques are essential.
                        | - Detailed material proposals are available on request from Sika Limited. |
Application
Substrate preparation
The concrete deliveries should be of consistent quality. A concrete slump in the range 75 to 110 mm will normally give best results. The slab should be of good quality concrete with a minimum water/cement ratio consistent with the production of a fully compacted slab. The compressive strength should be a minimum of 25 N/mm². Use of Sikament or Sika®Viscocrete® super plasticisers is advised to ensure the optimum quality of concrete and where fibres are used, maximum dispersion within the mix.

Mixing
Water is added to the pre-mixed powder to suit the consistency required, usually 4,3 to 4,7 liters per 25 kg bag.
Pour the mixing water in to the enough volume container. Mix mechanically with a slow speed drill (max. 600 RPM), by adding powder in to the container. Continue the mixing (approx. 3 min.) until a smooth even consistency is achieved.

Application
When an automatic spreader is used in conjunction with a laser screed, Sikafloor-2 SynTop is spread evenly onto the concrete immediately after screeding at 5 kg/m. in one application.
With manual application the surface bleed water should be removed or allowed to evaporate and Sikafloor - 2 SynTop should be sprinkled onto the screeded concrete evenly in 2 stages: (1st stage 3 kg/m²-2nd stage 2 kg/m²).
Care should be taken to apply the powder to avoid creating ripples etc. in the concrete surface. Overall application rate by manual application 5 kg/m².
Casting Sikafloor - 2 SynTop powder carelessly or further than 2 metres from point of casting will reduce the consistency of finish.

Compaction
The first stage should be worked into the slab followed immediately with the sprinkling on of the second measurement of Sikafloor - 2 SynTop.
Sikafloor - 2 SynTop results in the slab surface becoming stiff more quickly than usual. Careful trimming should take place along the edges where adjoining slabs are to be poured. Final finishing to close pores and remove undulations can be achieved either by hand or powered trowel.

Curing
Cure and seal Sikafloor - 2 SynTop immediately after finishing using Sikafloor ProSeal (refer to separate technical data sheet).

Joints
After completing the saw cuts, clean off any residual lubricant slurry without delay. Joints can be filled with the appropriate Sikaflex sealant in accordance with the floor requirements.

Protection
To maintain the most pleasing finish for hand-over protect the surface during subsequent site operations to prevent damage whilst the curing process continues.

Important Notes
- The application of the dry shake powder should not be carried out in strong draughts.
- Concrete substrate characteristics such as water content and cement quality may induce slight colour variations.
- Slip resistance can be enhanced through chemical ageing. Contact Sika Limited for advice.
- Colour variation during the drying out period is normal for this system and is to be expected.
- Dry shake hardeners give a finish to concrete with some colour variation from point to point due to the natural variability of the concrete onto which they are applied.
- Cleaning and subsequent maintenance of the Sikafloor - 2 Syn Top should be performed in accordance with our recommendations.
(Available on request from Sika Limited).

Packaging
Packed in 25 kg bags

Consumption
Approximately 5 kg/m². (These figures do not allow for surface porosity, profile or wastage).

Storage/Shelf life
Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +30°C).

Technical data sheet and label instructions have the priority.
The explanations given in the data sheet are correct and reliable as far as we know and they are in connection with our documentation. In case of applications beyond our control, our warranty is only valid in respect of the quality of the sold product. Our company reserves the right to make changes to the product formulations under the light of our new R&D studies. This technical data sheet is valid until a new one is printed and supersedes all of the former editions.

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