

## PRODUCT DATA SHEET

# SikaWall®-1030 Alpha Dry Base Coat

(formerly Senergy® Alpha Dry Base Coat)

## DRY-MIX POLYMER BASE COAT

## DESCRIPTION

SikaWall®-1030 Alpha Dry Base Coat is a dry-mix polymer base coat containing portland cement and requiring only water for mixing. Part of SikaWall® / Sikatherm® Exterior Insulation and Finish System (EIFS). Suitable for use in hot and tropical climatic conditions.

## USES

- For use with the SikaWall® / Sikatherm® Exterior Insulation and Finish System (EIFS) to be applied as a base coat over insulation board.
- For use with wall systems to embed SikaWall® Corner Beads and SikaWall® Flexguard Reinforcing Mesh range.
- To apply insulation plugs over fastener heads, when required.

## FEATURES

- Easy to use, just add water to mix
- Reduces the chance for efflorescence
- Trowels easily
- Easy application, increases job-site productivity
- Fast mesh embedment
- Easy installation of corner beads
- Safe for use, non-toxic
- Easy to clean

## CERTIFICATES AND TEST REPORTS

- Passed as a component of system testing in accordance with **NFPA 268** and **NFPA 285**
- Individual product testing in accordance with **ASTM E84**, Classification: Class A

## PRODUCT INFORMATION

|                       |                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Composition           | Portland cement with special fillers, sand, polymers and additives                                                                          |
| Packaging             | 25 kg bag                                                                                                                                   |
| Appearance and colour | Grey powder                                                                                                                                 |
| Shelf life            | 12 months from date of production                                                                                                           |
| Storage conditions    | Store in original unopened packaging in a cool and dry condition between +5 °C and +30 °C. Protect from direct sunlight, heat and moisture. |
| Density               | ~1.7 kg/l (mixed, at +25 °C)                                                                                                                |

## TECHNICAL INFORMATION

|                           |                         |           |
|---------------------------|-------------------------|-----------|
| Tensile adhesion strength | ≥ 0.5 N/mm <sup>2</sup> | (EN 1542) |
|---------------------------|-------------------------|-----------|

## APPLICATION INFORMATION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                        |                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mixing ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5.6 L per 25 kg bag                                    |                                                                                                                                                                                            |
| Consumption                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Approximate coverage rates of base coat:               |                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Type of insulation board</b>                        | <b>Coverage per 25 kg bag for mesh embedment (1<sup>st</sup> coat)</b>                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Expanded Polystyrene (EPS)                             | ▪ ~13 m <sup>2</sup> with embedded SikaWall-9004 Flexguard Mesh<br>▪ ~8 m <sup>2</sup> with embedded SikaWall-9012 Intermediate Mesh + SikaWall-9004 Flexguard Mesh (double mesh system)   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Mineral wool (Rockwool)                                | ▪ ~11.5 m <sup>2</sup> with embedded SikaWall-9004 Flexguard Mesh<br>▪ ~6 m <sup>2</sup> with embedded SikaWall-9012 Intermediate Mesh + SikaWall-9004 Flexguard Mesh (double mesh system) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Type of insulation board</b>                        | <b>Coverage per 25 kg bag for final layer (2<sup>nd</sup> coat)</b>                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Expanded Polystyrene (EPS) and Mineral wool (Rockwool) | ▪ ~24 m <sup>2</sup>                                                                                                                                                                       |
| Note: Flat trowel application. Application rates will depend on the quality of application, substrate board flatness, texture and density. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment. |                                                        |                                                                                                                                                                                            |
| Yield                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ~18 L / 25 kg bag                                      |                                                                                                                                                                                            |
| Layer thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Non-reinforced                                         | Max. 2 mm per layer                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Single mesh reinforced                                 | Max. 3 mm per layer                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Double mesh reinforced                                 | Max. 5 mm per layer                                                                                                                                                                        |
| Ambient air temperature                                                                                                                                                                                                                                                                                                                                                                                                                                         | +5 °C min. / +40 °C max.                               |                                                                                                                                                                                            |
| Substrate temperature                                                                                                                                                                                                                                                                                                                                                                                                                                           | +5 °C min. / +40 °C max.                               |                                                                                                                                                                                            |
| Pot Life                                                                                                                                                                                                                                                                                                                                                                                                                                                        | +25 °C                                                 | ~8 hours                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | +35 °C                                                 | ~5 hours                                                                                                                                                                                   |

## SYSTEM INFORMATION

|                  |                                 |                                           |
|------------------|---------------------------------|-------------------------------------------|
| System structure | Air / Vapour barrier (optional) | Sikagard® AWB 661 range                   |
|                  | Insulation adhesive             | SikaWall®-1010 Alpha Dry Adhesive         |
|                  | Insulation board                | EPS / Mineral wool / Sikatherm® range     |
|                  | Mechanical Fasteners            | Sikatherm®-900 insulation fasteners range |
|                  | Corner Beads                    | SikaWall®-9000 corner bead range          |
|                  | Base Coat                       | SikaWall®-1030 Alpha Dry Base Coat        |
|                  | Reinforcing Mesh                | SikaWall®-9000 Flexguard Mesh range       |
|                  | Primer                          | SikaWall®-15 Tinted Primer AE             |
|                  | Textured Finish                 | SikaWall®-6000 finish range               |
|                  |                                 |                                           |

## 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.

## FURTHER DOCUMENTATION

General Method Statement: **SikaWall® / Sikatherm® External Insulation and Finish System (EIFS)**

## IMPORTANT CONSIDERATIONS

- Do not apply in ambient temperatures below 4 °C. Provide supplementary heat during installation and drying period at least 24 hours after installation and until dry when temperatures less than 4 °C prevail.
- Do not apply to frozen surfaces.
- Avoid application in direct sunlight and/or strong wind / draughts.
- If the substrate surface is having major undulations, consumption of base coat can be increased significantly. Respect advised max. layer thickness.
- In high temperature application, use the chilled water for mixing, to keep the material temperature below +30 °C.
- Never add water or dry powder to reconstitute a SikaWall®-1030 Alpha Dry Base Coat mix which has already begun to set.
- Make a test area (mock-up) prior to carrying out any work.
- Consult the Sika Technical Services Department for specific recommendations concerning other potentially challenging applications.

## 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.

## APPLICATION INSTRUCTIONS

### MIXING

- Place contents of each bag in a suitable container which is clean and free of foreign substances.
- Do not use a container which has contained or been cleaned with a petroleum-based product.
- Fill the container with advised amount of clean, potable water.
- Add SikaWall®-1030 Alpha Dry Base Coat in small increments, mixing after each addition.
- Mix the contents of the SikaWall®-1030 Alpha Dry Base Coat unit with a low-speed drill and paddle mixer until thoroughly blended.
- Additional SikaWall®-1030 Alpha Dry Base Coat or small amount of water may be added to adjust workability.
- Let it stand for 5 minutes, then remix and retemper before use.
- Additives are not permitted.
- Close container when not in use.

### APPLICATION

Apply the base coat in 2 layers. First (1<sup>st</sup>) layer of SikaWall®-1030 Alpha Dry Base Coat shall be applied so as to achieve SikaWall® Reinforcing Mesh embedment with no SikaWall® Reinforcing Mesh colour visible. Allow for initial set (touch dry). Lightly abrade dried first layer with sandpaper, without damaging the mesh. Remove the dust and apply second (2<sup>nd</sup>) layer of SikaWall®-1030 Alpha Dry Base Coat. Allow to dry approx. 8 to 10 hours, depending on the ambient temperature, before the application of SikaWall®-15 Tinted Primer AE and SikaWall®-6000 range of finish coats.

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with water and soap immediately after use. Hardened / cured material can only be removed mechanically.

## 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. 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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### Product Data Sheet

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