BUILDING TRUST

PRODUCT DATA SHEET

SikaWall®-1010 Alpha Dry Adhesive

(formerly Senergy® Alpha Dry Adhesive)

DRY-MIX POLYMER ADHESIVE FOR INSULATION BOARD

Senergy®

DESCRIPTION

SikaWall®-1010 Alpha Dry Adhesive is a dry-mix polymer adhesive 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

- Part of SikaWall® / Sikatherm® Exterior Insulation and Finish System (EIFS) to adhere insulation board to the following acceptable substrates: Sikagard® AWB 661 range, unpainted and unglazed concrete or unit masonry, paper-faced gypsum sheathing, fiberglass mat-faced gypsum sheathing, water-resistant core gypsum sheathing, cement-board, etc.
- To adhere insulation board to insulation board.
- Use for small repairs, reduces dumpster and landfill costs of unit disposal.

FEATURES

- Easy to use, just add water to mix
- Reduces the chance for efflorescence
- Trowels easily
- Easy application, increases job-site productivity
- Safe for use, non-toxic
- Easy to clean

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 undamaged, original sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight, heat and moisture.
Density	~1.6 kg/l (mixed, at 25 °C)

TECHNICAL INFORMATION

Tensile adhesion strength	≥ 0.5 N/mm² on concrete substrate	(EN 1542)

APPLICATION INFORMATION

Mixing ratio

5.25–5.75 L / 25 kg bag

Consumption

Approximate coverage rates to adhere insulation board to substrate:

Type of insulation board	Coverage per 25 kg bag
Expanded Polystyrene (EPS)	▪ ~6 m² via notched trowel method (10*10 mm notch) ▪ ~4 m² via ribbon and dab method
Mineral wool (Rockwool)	▪ ~5 m² via notched trowel method (10*10 mm notch) ▪ ~3.5 m² via ribbon and dab method

Note: Application rates will depend on the quality of application, surface flatness and texture, also from the density of the insulation board. 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

~19 L / 25 kg bag

Layer thickness

Max. 10 mm for notched trowel method
Max. 20 mm for ribbon and dab method

Ambient air temperature

+5 °C min. / +40 °C max.

Substrate temperature

+5 °C min. / +40 °C max.

Pot Life

+25 °C	~10 hours
+35 °C	~6 hours

Skinning time

~10 minutes at +35 °C ambient temperature.
Note: Good application practice is to install the board on the wall immediately after adhesive application. If wind or direct sunlight is present, skinning time will decrease.

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 Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
- Internal reference: MBS_CC-UAE/Alpha_DryAdh _03_13/v5/01_24/v6/03_24/v7/02_25/v8/04_25/v9/06_25

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.
- Always use mechanical fasteners, along with adhesive application.
- If the substarte surface is having major undulations, consumption of adhesive can be increased signiffically.
- Do not apply adhesive in thickness more than 10 mm, via notched trowel method. If substrate undulation are bigger than 10 mm, apply by ribbon and dab technique / method.
- 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®-1010 Alpha Dry Adhesive 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

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 QUALITY / PRE-TREATMENT

Examine surfaces to receive SikaWall® Exterior Insulation and Finish System (EIFS) and verify that substrate and adjacent materials are dry, clean, sound, and free of releasing agents, paint, or other residue or coatings. Verify substrate is flat, free of fins or planar irregularities. Ensure that all joint treatments are properly done.

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®-1010 Alpha Dry Adhesive in small increments, mixing after each addition.
- Mix the contents of the SikaWall®-1010 Alpha Dry Adhesive unit with a low speed drill and paddle mixer until thoroughly blended.
- Additional SikaWall®-1010 Alpha Dry Adhesive 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 METHOD / TOOLS

To adhere insulation board to acceptable substrates or to other insulation board:

Notched Trowel Method:
Apply mixed SikaWall®-1010 Alpha Dry Adhesive to entire surface of insulation board using a stainless steel trowel with 14 mm x 14 mm notches spaced 14 mm apart, or 10 mm x 10 mm notches spaced 10 mm apart.

Ribbon & Dab Method:
Apply a ribbon of mixed SikaWall®-1010 Alpha Dry Adhesive approximately 50 mm wide by max. 20 mm thick to entire perimeter of each board with a trowel. Apply dabs or ribbons of max. 20 mm thickness by approx. 100 mm in diameter, approximately 200 mm over entire surface of board to ensure uniform contact and high initial grab.

Note: Ribbon & dab method is not recommended on gypsum sheathing substrates or fiberglass mat-faced gypsum sheathing. Allow application of insulation board to dry (normally 8 to 10 hours) prior to application of SikaWall®-1030 Alpha Dry Base Coat with SikaWall® Reinforcing Mesh.

Application:
Immediately set insulation board into place and apply pressure over entire surface of insulation board to ensure positive and uniform contact and high initial grab. Do not slide insulation board into the place. Do not allow adhesive to dry prior to installation of the board. For detailed information on application, refer to General Method Statement.

CLEANING OF EQUIPMENT

Clean tools with soap and water immediately after use.

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.

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