BUILDING TRUST

SYSTEM DATA SHEET

Sikatherm® Hybrid AE

EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) WITH HYBRID INSULATION BOARD

DESCRIPTION

Sikatherm® Hybrid AE is a non-load bearing Exterior Insulation and Finish System (EIFS) featuring an innovative hybrid insulation board that combines a high density EPS core with a mineral wool surface layer. This solution delivers fire performance comparable to a full mineral wool insulation board while offering cost-effective value. The system can also be optionally enhanced with an air, vapor (Class II) and water resistive barrier to meet specific project performance and building envelope requirements.
Available with a wide range of SikaWall® finishing textures and colours, Sikatherm® Hybrid AE delivers exceptional design flexibility, enabling the creation of visually striking façades without compromising thermal performance, durability, or fire safety.

USES

- Ideal for new-build and refurbishment projects requiring high-performance thermal insulation and an attractive façade finish.
- Suitable for residential, commercial, hospitality, healthcare, educational, and mixed-use developments.
- Provides an energy-efficient building envelope, helping to improve occupant comfort and reduce operational energy consumption.
- Enables the creation of seamless, modern façades with a wide choice of colours, textures, and architectural details.
- Ideal for projects requiring enhanced fire performance while maintaining exceptional design flexibility.
- Compatible with a wide range of concrete, masonry and drywall substrates, making it suitable for both low-rise and high-rise applications, subject to project design and local regulations.

FEATURES

- Inovative
- Variety of textures and colours
- Provides design flexibility
- Aesthetically appealing
- Adhesively and mechanically applied system
- Improves energy efficiency and energy saving
- Exceptional durability
- Low maintenance
- Cost-effective solution

Available system sub-categoris:
Class PB – Primary barrier moisture control
Secondary Weather Barrier – Primary barrier moisture control with secondary air / vapor / moisture barrier

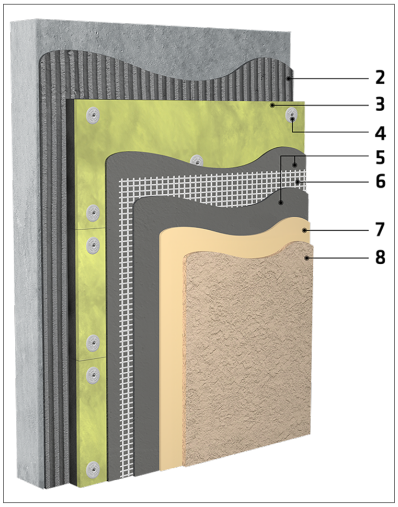
CERTIFICATES AND TEST REPORTS

- Full-scale system comprising the listed components certified by Dubai Civil Defense (DCD) under ESL Certificate of Conformity (CoC) No. ESL-25-11908
- Individual system components certified by Dubai Central Laboratory (DCL) as Low Emitting Materials, Certificate No. CL17020503
- Sikagard® AWB 661 I certified by Dubai Civil Defense (DCD) under ESL Certificate of Conformity (CoC) No. ESL-26-12042

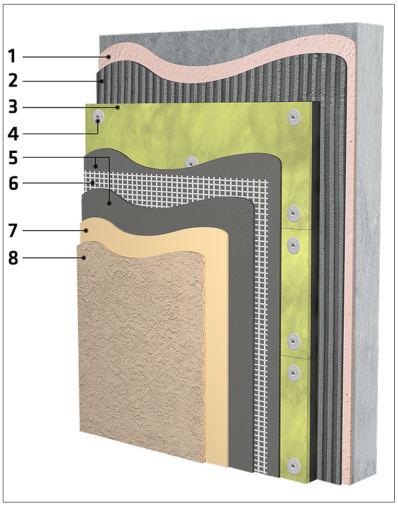
SYSTEM INFORMATION

Systems

Sikatherm® Hybrid AE
Class PB



Sikatherm® Hybrid AE
Secondary Weather Barrier



System structure

1 - Air, Vapor and Water barrier (optional)	Sikagard® AWB 661 I
2 - Insulation adhesive	SikaWall®-1010 Alpha Dry Adhesive
3 - Insulation board	Sikatherm® EPS MW 70 F Fire
4 - Mechanical Fasteners	Sikatherm®-900 insulation fasteners range
5 - Base Coat	SikaWall®-1030 Alpha Dry Base Coat
6 - Reinforcing Mesh	SikaWall®-9000 Flexguard Mesh range
7 - Primer	SikaWall®-15 Tinted Primer AE
8 - Finishing coat	SikaWall®-6000 Finish range

Appearance

Available in a wide range of texture finishes from the SikaWall®-6000 Finish product range, including SikaWall®-6070 Art Finish, SikaWall®-6080 Texture Finish, SikaWall®-6090 Sahara Finish, SikaWall®-6120 Fine Finish, SikaWall®-6170 Belgian Lace Finish, SikaWall®-6180 Classic Finish, and SikaWall®-6190 Coarse Finish.
For further information on available textures and finishes, refer to the Sikatherm® EIFS Brochure and the relevant Product Data Sheet (PDS).

Colour

Available in a wide range of standard colours to suit diverse design requirements. For the complete colour selection, refer to the SikaWall® Colour Chart.

TECHNICAL INFORMATION

External fire performance

Fire propagation	Test Result: **PASS**	(NFPA 285)
Ignitability of Exterior Wall Assemblies	Test Result: **PASS**	(NFPA 268)

Tested system with following components: SikaWall®-1010 Alpha Dry Adhesive, Sikatherm® EPS MW 70 F Fire, SikaWall®-1030 Alpha Dry Base Coat, SikaWall®-9004 Flexguard Mesh, SikaWall®-9320 Corner Bead ALU with Mesh, SikaWall®-15 Tinted Primer AE and SikaWall®-6090 Sahara Finish.

Reaction to fire

Class A (ASTM E84)

Tested individual components: SikaWall®-1010 Alpha Dry Adhesive, Sikatherm® EPS MW 70 F Fire, SikaWall®-1030 Alpha Dry Base Coat, SikaWall®-9004 Flexguard Mesh, SikaWall®-15 Tinted Primer AE and SikaWall®-6090 Sahara Finish.

APPLICATION INFORMATION

Ambient air temperature	+5 °C min. / +40 °C max.
Relative air humidity	80 % r.h. max.
Substrate temperature	+5 °C min. / +40 °C max.

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.

FURTHER DOCUMENTATION

- Individual Product Data Sheet (PDS)
- General Method Statement: **SikaWall® / Sikatherm® External Insulation and Finish System (EIFS)**
- Typical details
- Horizontal and vertical fire barrier compartmentation elevation details

IMPORTANT CONSIDERATIONS

- Provide horizontal and vertical fire compartmentation using 100 mm wide, full-thickness mineral wool fire barriers, installed in accordance with the project fire design strategy and applicable building code requirements.
- Avoid application in direct sunlight and/or strong wind / draught. To minimize the effects of hot weather, install during cooler periods of the day, avoid application on overheated substrates, and protect the work area from direct sunlight using temporary shading where necessary.
- If the substarte surface is having major undulations, consumptions of products can be increased signiffically.
- Respect advised max. layer thickness.
- In high temperature application, use the chilled water for mixing, to keep the material temperature below +30 °C.
- Make a test area (mock-up) prior to carrying out any work.
- 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.
- 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

Refer to Individual Product Data Sheet, General Method Statement and Typical Details.

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

Sika Gulf B.S.C. (c)
Tel: +973 177 38188
Email: info@bh.sika.com
Sika Kuwait Cons. Mat. & Paints Co WLL
Tel: +965 22 282 296
Email: sika.kuwait@kw.sika.com
Web: gcc.sika.com

Sika UAE LLC
Sika UAE LLC (Branch)
Sika International Chemicals LLC
Tel: +971 4 439 8200
Email: info@ae.sika.com
Web: gcc.sika.com

Sika Saudi Arabia Limited
Riyadh / Jeddah / Dammam / Rabigh
Tel: +966 9200 22167
Email: info@sa.sika.com
Web: gcc.sika.com

Sika MB LLC
Oman
Tel. +968 22 826 500
Email: info@om.sika.com
Web: gcc.sika.com