

SYSTEM DATA SHEET

Sikatherm® Essential MW

EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) WITH MINERAL WOOL INSULATION BOARD

DESCRIPTION

Sikatherm® Essential MW is an Exterior Insulation and Finish System (EIFS) incorporating mineral wool insulation boards, engineered to meet the most stringent fire performance requirements. 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® Essential MW 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 superior 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

- Innovative
- 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

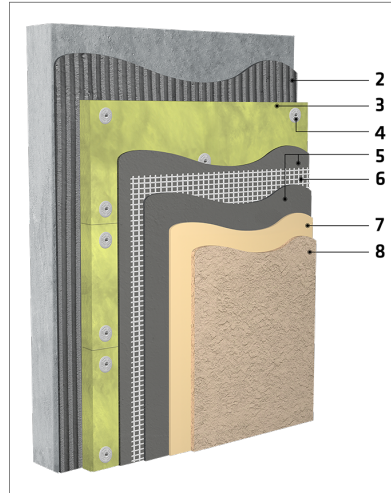
CERTIFICATES AND TEST REPORTS

- EIFS comprising the listed components certified by Dubai Civil Defense (DCD) under ESL Certificate of Conformity (CoC) No. ESL-26-12004
- EIFS comprising the listed components approved by the Abu Dhabi Civil Defence Authority (ADCDA)
- 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

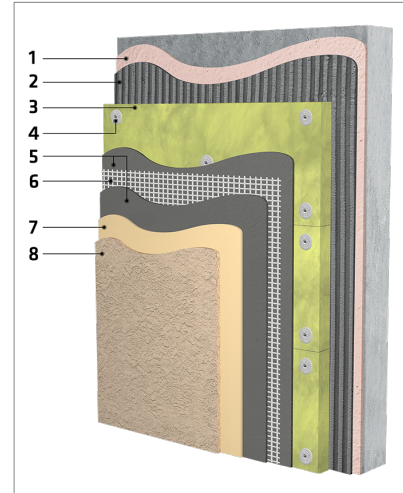
SYSTEM INFORMATION

Systems

Sikatherm® Essential MW Class PB



Sikatherm® Essential MW Secondary Weather Barrier



System structure

1 - Air, Vapor and Water barrier (optional)

2 - Insulation adhesive

3 - Insulation board

4 - Mechanical Fasteners

5 - Base Coat

6 - Reinforcing Mesh

7 - Primer

8 - Finishing coat

Sikagard® AWB 661 I

SikaWall®-1010 Alpha Dry Adhesive
Mineral wool insulation board /
Sikatherm® MW 40 F N AE

Sikatherm®-900 insulation fasteners
range

SikaWall®-1030 Alpha Dry Base Coat

SikaWall®-9000 Flexguard Mesh
range

SikaWall®-15 Tinted Primer AE

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 individual 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 Results:

(NFPA 285)

PASS

Ignitability of Exterior Wall Assemblies

Test Results:

(NFPA 268)

PASS

Tested system with following components: SikaWall®-1010 Alpha Dry Adhesive, Mineral wool insulation board by others (min. density: 128 kg/m³, thickness: min. 50 mm – max. 200 mm), 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, SikaWall®-1030 Alpha Dry Base Coat, SikaWall®-9004 Flexguard Mesh, SikaWall®-15 Tinted Primer AE, SikaWall®-6090 Sahara Finish and Mineral (Stone or Rock) wool board insulation (density: 200 kg/m³, thickness: 100 mm).

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

IMPORTANT CONSIDERATIONS

- 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 substrate surface is having major undulations, consumptions of products 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.
- 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

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.

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



ISO 9001, 14001, 45001 – SGS:
- Sika UAE LLC
- Sika International Chemicals LLC
- Sika Gulf B.S.C. (c)
ISO 9001, 14001 – SGS:
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV:
- Sika UAE LLC (Branch)
ISO 9001 – SGS:
- Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



System Data Sheet
Sikatherm® Essential MW
July 2026, Version 01.01
021830950000265090

SikathermEssentialMW-en-AE-(07-2026)-1-1.pdf