

SYSTEM DATA SHEET

PAREX® Armourwall Stucco WaterMaster DM

Portland Cement Plaster System with an Air/Weather Resistive Barrier and Drainage Mat

PRODUCT DESCRIPTION

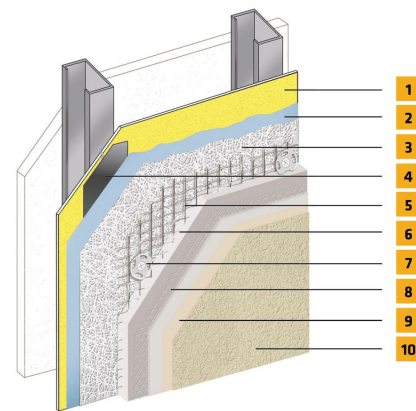
PAREX® Armourwall Stucco WaterMaster DM is a water management, portland cement-based, exterior stucco wall system. It incorporates Parex WeatherSeal Spray and Roll-On liquid applied air/ water-resistive barrier to provides additional protection to the sheathing and wall cavity against moisture and air intrusion.

USES

New or retrofit residential, institutional and commercial construction. May be used in fire-resistance-rated construction and in any construction type, including IBC Types I through V, when installed in accordance with Sika Facades instructions.

CHARACTERISTICS / ADVANTAGES

- For use with non-combustible construction types
- For use on fire resistance rated walls
- Air/Water- resistive barrier
- Unlimited building height



1. Acceptable Substrate*
2. Parex WeatherSeal
3. SikaWall Drainage Mat DF
4. SikaWall Joint Treatment
5. SikaWall Permalath 1000 or Metal Plaster Base*
6. SikaWall Stucco Base
7. Mechanical Fastener*
8. SikaWall Reinforcing Mesh embedded in Parex Base Coat (Optional)
9. SikaWall Stucco Prime (Optional)
10. Parex Finish

*(By Others)

APPROVALS / STANDARDS

Document	Description
CCRR-0587 - System Report	Complies with IBC, IRC and Florida Building Code.
CCRR-0249 - Permalath 1000 Report	Complies with IBC, IRC and Florida Building Code.
ICC-ESR 2045 (Parex WeatherSeal Spray and Roll On)	Air/water-resistive barrier*

SYSTEM INFORMATION

Compatibility	Material substitution will adversely affect system performance and will void all warranty coverage unless approved in writing by Sika Facades Technical Service Team.
---------------	---

System Performance PAREX® Armourwall Stucco WaterMaster DM and Component Performance:

Test	Method	Criteria	Results
Water penetration of exterior windows, curtain walls and doors by uniform static air pressure	ASTM E331	No water penetration on the face of the test specimen at 136.9 Pa (2.86 psf)	Pass
Freeze-thaw Resistance	Per ICC-ES acceptance criteria AC-11	No sign of deleterious effects after 10 cycles	SikaWall Stucco Base passed with no visible evidence of deterioration when examined under 5x magnification
Water Vapor Transmission	ASTM E96-Wet Cup	Report value	SikaWall Stucco Base 20.4 perms
Racking Load Test	ASTM E72	Report value	Maximum load resistance 5530 pounds (2500 kg)
Compressive Strength	ASTM C109	Report value	22.4 MPa (3245 psi) average for SikaWall Stucco Base
Flexural Strength	ASTM C348	Report value	4.57 MPa (663 psi) average for SikaWall Stucco Base
Surface Burning	ASTM E84	Report value	<25 Flame Spread <450 Smoke Developed Includes SikaWall Permalath 1000 and SikaWall Stucco Base
Non-Combustibility	ASTM E136	No flaming, excess temperature rise or weight loss when exposed to 1382°F (750°C)	Pass SikaWall StuccoBase with SikaWall Permalath 1000 or metal plaster base
Fire Resistance Rated Assemblies	ASTM E119	No transmission of heat greater than 250°F above ambient; no passage of flame or hot gasses; no passage of water from hose stream test; for loadbearing walls – ability to with stand load under test conditions	Hour Rated Assemblies: ▪ Load bearing wood stud wall with 10.9 mm (7/16") OSB and 9.5 mm (3/8") SikaWall Stucco Base ▪ Load bearing wood stud wall with 16mm (5/8") Type X gypsum sheathing and 9.5 mm (3/8") SikaWall Stucco Base ▪ Load bearing wood stud wall with 10.9 mm (7/16") OSB, Permalath 1000 & 12.7 mm (1/2") SikaWall Stucco Base (from inside only) ▪ Non-load bearing steel framed wall with 16 mm (5/8") Type X gypsum sheathing, SikaWall Permalath 1000 & 12.7 mm (1/2") Stucco Base
Transverse (Wind) Load	ASTM E330	Report value	+/- 40 PSF; 2" X 4" wood studs, gypsum or wood sheathing or 3 5/8", 20 ga steel studs, gypsum or wood sheathing

TECHNICAL INFORMATION

Test Results

- **Users must read the most current Product Data Sheets for each system component before using any products and follow all application instructions and cautions.**
- Use only for above grade vertical walls. System must terminate a minimum of 4" (102 mm) above raw earth or 2" (51 mm) above paved surfaces.
- Three-dimensional SikaWall Drainage Mat DF provides a drainage plane for maximum drainage and drying performance.
- SikaWall PermaLath 1000 self-furred glass fiber reinforcing lath that will not rust.
- Additives are not permitted for any product unless approved in writing by Sika Facades Technical Service Team.
- All products must be installed at minimum 40 °F (4 °C) ambient and substrate temperatures unless otherwise noted on specific Product Data Sheets.
- Do not apply in ambient temperatures greater than 100 °F (38 °C) or to surface temperature above 120 °F (49 °C).
- Protect all work from precipitation for at least 24-hours after application or until dry.
- All substrates must be clean, dry and sound without planar irregularities greater than 1/4" per 10' (6 mm per 3 m).
- Maximum allowable deflection L/360, based on stud/structural properties only.
- Expansion joints are required in the system where they exist in the substrate, where the system adjoins dissimilar construction, at changes in substrates and at floor lines in multilevel wood frame construction and where movement is anticipated, as determined by the project design team.
- Wide selection of finish textures, standard and custom color provides design flexibility with numerous design options.
- Contact Sika Facades' Technical Service Department at 1-800-226-2424 for additional information.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

AVAILABILITY/WARRANTY

Complies with IBC & IRC requirements for portland cement plaster.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling Sika's Technical Service Department at 1-800-933-7452. Nothing contained in any Sika literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the Sika product.

Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole

remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/about-us/terms-conditions-of-sale.html> or by calling 1-800-933-7452.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.** Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at usa.sika.com.

Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com



System Data Sheet

PAREX® Armourwall Stucco WaterMaster DM
August 2026, Version 01.01
021830950000242584

PAREXArmourwallStuccoWaterMasterDM-en-US-(08-2026)-1-1.pdf

