

## SYSTEM DATA SHEET

# PAREX® WaterMaster GPS

## CI Water-Drainage Exterior Wall Cladding Featuring Neopor GPS Plus Insulation

### PRODUCT DESCRIPTION

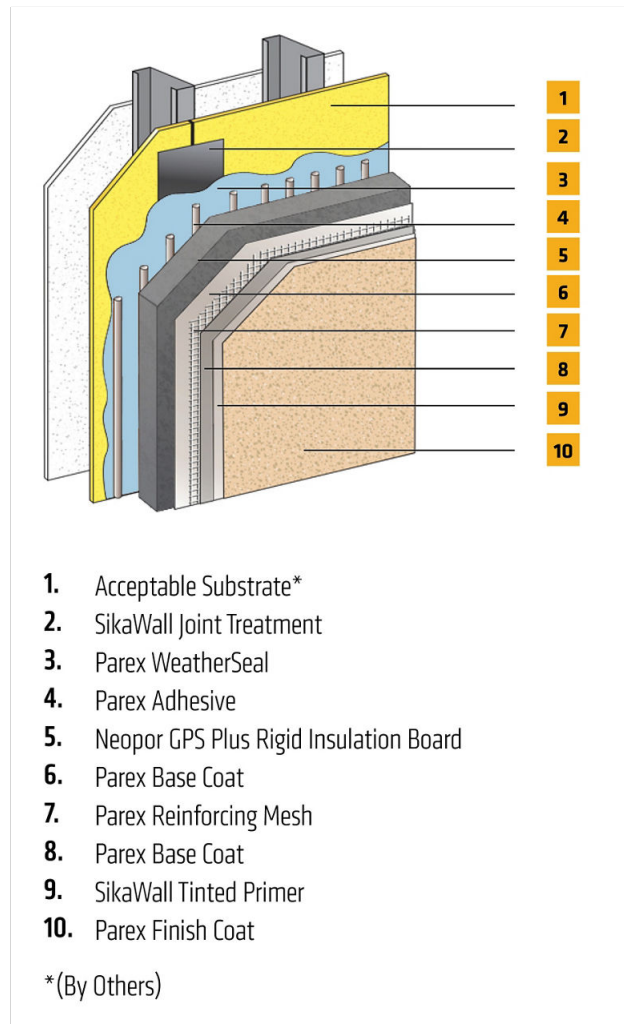
PAREX® WaterMaster GPS is an exterior cladding system featuring Neopor GPS Plus advanced insulation technology. The system uses a secondary air/water-resistive barrier and channels created by the trowel pattern of the adhesive to provide a cost-effective added level of protection of the sheathing and cavity against moisture and air intrusion. It offers design flexibility, aesthetic appeal and energy savings.

### USES

For exterior walls in new and retrofit commercial, institutional and residential construction when a continuous high effective R-value is needed to meet energy or eco-efficiency standards, and/or when a rainscreen is desired or required to satisfy code issues related to drainage, and where high wind-load requirements dictate the use of adhesive attachment.

### CHARACTERISTICS / ADVANTAGES

- For use on all non-combustible construction types
- For use on fire resistance rated walls (up to 4" thickness)
- Continuous Insulation
- Built in drainage
- Unlimited building height



## 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.
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Composition	<b>Neopor GPS Plus Rigid Insulation Board Test Results (ASTM C578, Type I, nominal 1 pcf)</b>				
	<b>Physical Property - ASTM Method</b>	<b>Units</b>	<b>R-5</b>	<b>R-7.5</b>	<b>R-10</b>
	R-Value, 75F - C518	Btu • in/ft <sup>2</sup> • deg F	5	7.5	10
	Thickness	inches	11/16"	11/2"	2 1/8"
	Compressive Strength - D1621	psi, min		10	
	Flexural Strength - C203	psi, min		25	
	Water Vapor Permeance - E96	perm, max		5.0	
	Water Absorption - C272	% by volume max		4.0	
	Water Affinity - BASF	-		Hydrophobic	
	Water Capillarity - BASF	-		None	
	Dimensional Stability - D2126	% linear change max		2.0	
	Flame Spread - E84	-		<25	
	Smoke Developed - E84	-		<450	
	Oxygen Index min - D2863	min		24	

System Performance	<b>Document</b>	<b>Code Description</b>
	ICC-ESR 2562	IBC 2015, 2018, 2021, 2024 , IRC 2015, 2018.2021,2024
	ICC-ESR 2045 (Parex® WeatherSeal SRO)	Air/water-resistive barrier

## APPLICATION INFORMATION

Substrates	<b>Acceptable Substrates:</b> Glass mat Gypsum Sheathing Gypsum Sheathing Exposure 1 OSB Cement Fiber Sheathing
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## 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 Exterior Insulation and Finish Systems (EIFS) and EIFS with Drainage.

## LIMITATIONS

- **Users must read the most current Product Data Sheets for each system component before using any products and follow all application instructions and cautions.**
- Maximum allowable deflection  $L/240$ , based on structural properties only.
- The design wind load shall not exceed the system's allowable wind load as stated in applicable code reports.
- Details shall conform with Sika Facades recommendations and shall be consistent with the project requirements.
- Consult the framing and sheathing manufacturer for design and application considerations.
- 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.
- System shall terminate at expansion joints.
- Sealant joints shall be detailed and installed per sealant manufacturer's recommendations.
- Minimum slope: 1:2 with maximum width of 30.5 cm (12") [e.g. 15 cm in 30.5 cm (6" in 12") width].
- Backer rod, sealant & flashing are required at door and window openings.
- Sheathing must be protected with Senersshield-R/-RS/-VB.
- Create drainage channels with vertical adhesive ribbons, installed in accordance with Senerflex Platinum CI specification.
- Use SikaWall Strong 15 or Ultra HI 20 Reinforcing Mesh at ground floor and on other locations where high traffic is expected.
- Contact Sika Facades' Technical Service Department at 1-800-226-2424 for additional information.

Neopor GPS Plus R-5, R-7.5 and R-10 rigid insulation boards offer numerous advantages:

- Zero thermal drift that ensures long-term R-value stability.
- Contains no CFC's or HCFC's.
- Vapor permeable and water resistant for optimum

drainage wall performance.

- Silver-gray color reduces job site glare and is easier on the eyes of installers.
- Is 100% recyclable and Greenguard Gold Certified.

## 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](http://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.**

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<https://usa.sika.com/en/group/SikaCorp/termsandconditions.html>  
or by calling 1-800-933-7452.

User must read the most current Product Data Sheet for each individual system component before using any products and follow all application instructions and cautions.

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](https://usa.sika.com).

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**System Data Sheet**

PAREX® WaterMaster GPS  
June 2025, Version 01.01  
021830950000242763

PAREXWaterMasterGPS-en-US-(06-2025)-1-1.pdf

