

**PRODUCT DATA SHEET**

Edition 10.2020/v1  
SikaWall®-1000 ICF

# SikaWall®-1000 ICF

## PARGING MORTAR FOR FINISHING ICF BLOCK WALLS AND EPS SUBSTRATES

<b>Description</b>	SikaWall®-1000 ICF is a cementitious, one-component, pre-blended parging mortar, specifically designed for finishing Insulated Concrete Form (ICF) block walls or other Expanded Polystyrene (EPS) substrates. It is designed to be applied to above grade portions of ICF foundation walls with a maximum, single coat thickness of 3 mm (1/8").																																																				
<b>Where to Use</b>	<ul style="list-style-type: none"> <li>▪ Parging or coating above-grade ICF walls, to protect EPS from weathering and UV degradation</li> </ul>																																																				
<b>Advantages</b>	<ul style="list-style-type: none"> <li>▪ Easy to prepare and apply: Ready-to-use, only requires the addition of water</li> <li>▪ Easy troweling and smooth finishing allows for simple embedment of fiberglass mesh</li> <li>▪ Excellent bonding to ICF walls or other EPS surfaces</li> </ul>																																																				
<b>Technical Data</b>	<table border="0"> <tr> <td><b>Packaging</b></td> <td colspan="2">22.7 kg (50 lb) bag</td> </tr> <tr> <td><b>Colour</b></td> <td colspan="2">Concrete Grey</td> </tr> <tr> <td><b>Yield</b></td> <td colspan="2">0.013 m³ (0.46 ft³) per 22.7 (50 lb) bag</td> </tr> <tr> <td><b>Coverage</b></td> <td><b>Thickness</b></td> <td><b>Coverage</b></td> </tr> <tr> <td></td> <td>3 mm (1/8")</td> <td>4.30 m² (46.0 ft²)</td> </tr> <tr> <td></td> <td>6 mm (1/4")</td> <td>2.15 m² (23.0 ft²)</td> </tr> <tr> <td></td> <td>9 mm (3/8")</td> <td>1.45 m² (15.6 ft²)</td> </tr> <tr> <td><b>Shelf Life</b></td> <td colspan="2">1 year in original, unopened packaging. Store dry ensuring that product is not exposed to rain, condensation or high humidity.</td> </tr> <tr> <td><b>Mix Ratio</b></td> <td colspan="2">3.7 - 3.9 L (0.98 - 1.03 US gal.) of cool, potable water per 22.7 kg (50 lb) bag</td> </tr> <tr> <td colspan="3"><b>Properties at 23°C (73°F) and 50% R.H.</b></td> </tr> <tr> <td><b>Initial Set</b></td> <td colspan="2">Approx. 6 hours</td> </tr> <tr> <td colspan="3"><b>Compressive Strength ASTM C109</b></td> </tr> <tr> <td>1 Day</td> <td colspan="2">10 MPa (1500 psi)</td> </tr> <tr> <td>3 Days</td> <td colspan="2">21 MPa (3000 psi)</td> </tr> <tr> <td>7 Days</td> <td colspan="2">25 MPa (3625 psi)</td> </tr> <tr> <td>28 Days</td> <td colspan="2">34 MPa (5000 psi)</td> </tr> <tr> <td><b>Chemical Resistance</b></td> <td colspan="2">Consult Sika Canada</td> </tr> </table> <p><i>Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.</i></p>		<b>Packaging</b>	22.7 kg (50 lb) bag		<b>Colour</b>	Concrete Grey		<b>Yield</b>	0.013 m³ (0.46 ft³) per 22.7 (50 lb) bag		<b>Coverage</b>	<b>Thickness</b>	<b>Coverage</b>		3 mm (1/8")	4.30 m² (46.0 ft²)		6 mm (1/4")	2.15 m² (23.0 ft²)		9 mm (3/8")	1.45 m² (15.6 ft²)	<b>Shelf Life</b>	1 year in original, unopened packaging. Store dry ensuring that product is not exposed to rain, condensation or high humidity.		<b>Mix Ratio</b>	3.7 - 3.9 L (0.98 - 1.03 US gal.) of cool, potable water per 22.7 kg (50 lb) bag		<b>Properties at 23°C (73°F) and 50% R.H.</b>			<b>Initial Set</b>	Approx. 6 hours		<b>Compressive Strength ASTM C109</b>			1 Day	10 MPa (1500 psi)		3 Days	21 MPa (3000 psi)		7 Days	25 MPa (3625 psi)		28 Days	34 MPa (5000 psi)		<b>Chemical Resistance</b>	Consult Sika Canada	
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**HOW TO USE**

<b>Surface Preparation</b>	Rasp the surface of the ICF walls to eliminate any imperfections in the expanded polystyrene foam and promote adhesion to the substrate. The EPS foam must be attached to a structure, solid, clean and free of any debris before applying SikaWall®-1000 ICF.
<b>Mixing</b>	Add 3.7 L (0.98 US gal.) to 3.9 L (1.03 US gal.) of cool, potable water into a clean and of suitable size mixing container. Slowly empty the 22.7 kg (50 lb) bag of SikaWall®-1000 ICF into the container while mixing with a heavy-duty, 13 mm (1/2"), electric drill fitted with a mixing paddle. After all of the powder has been added, thoroughly mix the material for three (3) minutes.
<b>Application &amp; Finishing</b>	Apply a 3 mm (1/8") coat of SikaWall®-1000 ICF using a stainless steel trowel, directly to the ICF wall. Immediately embed alkali-resistant fiberglass mesh into the first coat, ensuring that the mesh joints overlap by a minimum of 65 mm (2½") and that the mesh is doubled at all corners as well as corners of openings (e.g. windows and doors). Apply additional 3 mm (1/8") coats of SikaWall®-1000 ICF as needed, in order to completely cover and embed the fiberglass mesh, up to a maximum total thickness of 9 mm (3/8").  <p><b>Note: The maximum single coat thickness of SikaWall®-1000 ICF is 3 mm (1/8"), and the maximum total thickness using three (3) coats is 9 mm (3/8").</b></p> <p><b>Finishing:</b> For a smooth surface, use a stainless steel, wood, aluminum or magnesium trowel. For a textured surface, use a broom, brush or dry sponge.</p>

<b>Curing</b>	Under most conditions, SikaWall®-1000 ICF requires no special curing. The surface of the applied product must be protected with a polyethylene film if precipitations or winds in excess of 25 km/h (15 mph) are expected within 24 hours after application. Product and substrate temperatures should be maintained between 5 - 30 °C (40 - 86 °F) for at least 24 hours prior to and 48 hours after application.
<b>Clean Up</b>	Clean all tools and equipment after use with water. Once hardened, the product can only be removed mechanically.
<b>Limitations</b>	<ul style="list-style-type: none"> <li>▪ <b>Important:</b> Protect stored material from exposure to rain, condensation and high humidity as moisture may penetrate packaging, causing lumps.</li> <li>▪ Maximum single coat thickness: 3 mm (1/8") - Maximum total thickness using three (3) coats: 9 mm (3/8").</li> <li>▪ For best results, product and substrate temperatures should be maintained between 5 and 30 °C (40 and 86 °F) for at least 24 hours prior to and 48 hours after application.</li> <li>▪ Avoid applying SikaWall®-1000 ICF in direct sunlight or when winds exceed 25 km/h (15 mph).</li> <li>▪ Protect from precipitation for 24 hours after application.</li> <li>▪ SikaWall®-1000 ICF should be only used in well-ventilated areas.</li> </ul>
<b>Health and Safety Information</b>	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN

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, within their shelflife. 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

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