

PRODUCT DATA SHEET

Sika Thorocoat[®]-749 Block Filler

(formerly MProtect FL 749)

ACRYLIC COPOLYMER BLOCK FILLER

PRODUCT DESCRIPTION

Sika Thorocoat[®]-749 Block Filler is a ready-to-use, acrylic copolymer-based block filler used to prime and fill porous masonry before the application of Sika Thorocoat[®] high-build acrylic wall coatings.

USES

- Interior and exterior
- Vertical surfaces
- Above grade
- Substrates where absorbency is not uniform

Substrates

- Porous or open masonry substrates
- Open-pored, textured concrete

CHARACTERISTICS / ADVANTAGES

- Heavy bodied to fill pores for excellent surface closure
- Breathable to allow moisture vapor to escape from the substrate
- Moisture resistant; will not degrade in the presence of wet-dry cycles
- Excellent workability for ease of application and lower labor cost
- Can be applied to damp substrates
- Easy to apply and can be sprayed with airless equipment
- VOC compliant for EPA and most regional jurisdictions

PRODUCT INFORMATION

Chemical Base	Sika Thorocoat [®] -749 Block Filler contains solvent, acrylic copolymer, fillers, and other proprietary ingredients.	
Packaging	5-gallon (18.9 L) pails	
Shelf Life	18 months when properly stored	
Storage Conditions	Store in unopened containers in a clean, dry area between 35 °F and 110 °F (2 °C and 43 °C). Keep from freezing.	
Density	14.5 lbs/gal (1.74 kg/L)	(ASTM D 1475)
Flash Point	200 °F (93 °C), Noncombustible	(Lab Value)
Solid content by mass	74.4%	(ASTM D 5201)
Solid content by volume	56%	(ASTM D 5201)

TECHNICAL INFORMATION

Low Temperature Bend	No cracking, 1" mandrel	(ASTM D 522)
Permeability to Water Vapor	27 perms	(ASTM E 96)

APPLICATION INFORMATION

Coverage	35-100 ft ² /gal (0.86-2.45 m ² /L) Coverage will vary depending on surface texture and porosity.	
Drying Time	<ul style="list-style-type: none"> ▪ Times assume 70 °F (21 °C) and 50% relative humidity. ▪ Dry-to-touch: 4-6 hours ▪ Recoat time: 12 hours minimum ▪ Lower surface or air temperatures and higher relative humidity will extend the drying time. ▪ If the top coating is delayed, ensure that Sika Thorocoat®-749 Block Filler is clean and free of dust, other contaminants, and stains when work resumes. 	

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.

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.

APPLICATION INSTRUCTIONS

- Not intended for use as a finish coat.
- Do not apply when the temperature (substrate, or ambient) is 40 °F (4 °C) or below or is expected to fall below 40 °F (4 °C) within 24 hours after application.
- Do not apply if rain is expected within 24 hours.
- Do not thin.
- Avoid application to uncapped or unsealed walls subject to heavy rains.
- Do not apply over moving cracks, control joints, or expansion joints.
- For professional use only; not for sale to or use by the general public.
- Make certain the most current versions of the product data sheet and SDS are being used; call Customer Service (1-800-433-9517) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by Sika personnel are for the purpose of

making technical recommendations only and not for supervising or providing quality control on the jobsite.

SUBSTRATE PREPARATION

1. Surfaces should be clean, sound, and free of all bond-inhibiting contaminants.
2. Concrete substrates should be fully cured.
3. Point or seal all cracks and voids.

MIXING

Prior to use, mix at a slow speed with a drill and mixing paddle to ensure uniform distribution of contents and to minimize air entrapment.

APPLICATION

1. Sika Thorocoat®-749 Block Filler can be brushed, rolled, or spray applied followed by back brushing or back rolling. Back brushing or backrolling is mandatory on porous, textured substrates such as fluted, splitfaced, and lightweight block.
2. Sika Thorocoat®-749 Block Filler can be applied to a dry or slightly dampened (non-saturated) substrate.
3. Hot substrates may require dampening to cool the surface and prevent flash drying.

Roller Application

1. Use a 1-1/2" (38 mm) nap roller.
2. Keep the roller fully loaded with material.
3. Work material uniformly onto the wall, always maintaining a wet edge.
4. Apply sufficient material to completely fill all pores, leveling the material to provide uniform texture and film thickness.
5. The objective is to obtain a pinhole-free, consistent film on all treated surfaces.

Spray Application

1. Sika Thorocoat®-749 Block Filler can be applied by heavy-duty airless or air-assisted texture spray

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- equipment. Contact the equipment manufacturer for further recommendations.
2. Immediately backroll or back-brush spray applications to fill in the pores and finish the material in a uniform manner.

CLEANING OF TOOLS

Clean all tools and equipment immediately with warm soapy water. Cured material may be removed by mechanical means.

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.

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

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