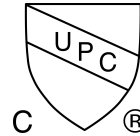


## PRODUCT DATA SHEET

# SikaTile®-150 Moisture Guard Fabric DH

FLEXIBLE, SHEET-APPLIED WATERPROOFING DEEP DRAWN DRAIN HAT



### PRODUCT DESCRIPTION

SikaTile®-150 Moisture Guard Fabric DH is a fast and easy way to seal around certain drain when installing SikaTile®-150 Moisture Guard Fabric Membrane to provide waterproofing and vapor barrier protection.

### USES

- To seal around drains in conjunction with SikaTile®-150 Moisture Guard Fabric Membrane in a waterproofing and vapor barrier membrane system.
- Combine with SikaTile®-150 Moisture Guard Fabric Membranes, inside/outside corners, pipe seals, mixing valve seals, drain hats and Sikaflex®-11FC to finish the waterproofing assembly.

### SUITABLE SUBSTRATES

SikaTile®-150 Moisture Guard Fabric DH can be installed in most interior and exterior residential and commercial installations on floors and walls. Refer to the individual waterproofing or crack isolation membrane Product Data Sheet (PDS) the SikaTile®-150 Moisture Guard Fabric DH is intended to be used with.

### CHARACTERISTICS / ADVANTAGES

- Component used in waterproofing and vapor-control
- Allows for immediate tile installation using SikaTile® polymer-modified mortars

### ENVIRONMENTAL INFORMATION

#### Environmental Consideration

Sika® is committed to environmental responsibility in

both products produced and in manufacturing practices. Complete the LEED Product Data Request Form at [SikaTile.com](http://SikaTile.com) for detailed information based on project location. Use of this product can contribute toward LEED® v4.1 certification:

- Up to 2 points toward MR Credit 5, Regional Materials

### APPROVALS / STANDARDS

Property	Test Method	Results
Thickness	--	0.5 mm
Mold Growth	ANSI A118.10 Section 4.1	No mold growth

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## PRODUCT INFORMATION

<b>Chemical Base</b>	Two outer layers of polypropylene, non-woven membrane bonded with one inner layer of polyethylene waterproofing membrane.
<b>Packaging</b>	10 per carton
<b>Color</b>	Yellow
<b>Shelf Life</b>	24 months from date of production when stored in original, unopened package
<b>Storage Conditions</b>	Store in undamaged, original, unopened package, in dry conditions

## 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

## APPLICATION INSTRUCTIONS

### INSTALLATION

SikaTile® membranes, when properly installed in accordance with the following installation guidelines, provide years of protection for finish flooring and wall installations. In addition to these instructions, installers shall also reference the most current edition of American National Standards Institute (ANSI), Tile Council of North America (TCNA) Handbook for Ceramic Tile Installations, The Marble Institute of America (MIA) Dimension Stone Design Manual, NWFA (National Wood Flooring Association) and Manufacturer's instructions of selected setting materials, substrates, sub-floors, or other manufacturers being used in total, or any part of, an installed floor and wall system with SikaTile®. Consult your selected manufacturer of these previously mentioned components to ensure selected products are compatible with SikaTile® membranes.

### SURFACE PREPARATION

All surfaces must be between 40°F (4°C) to 90°F (32°C) and structurally sound (deflection not to exceed L/360 for ceramic and porcelain tiles and L/720 for natural stone), dry, clean, and free from oil, grease, wax, paint, old adhesives, sealers, and curing compounds. Any contaminants that inhibit proper bond must be removed. Substrate preparation should be completed following ANSI A108 AN-2 "General Requirements for Sub-surfaces." All substrates should be plumb and true; surface deviation should not exceed 1/4" in 10' or 1/8" in 10' for large format tiles. Patching, leveling or areas requiring a mortar bed should be prepared using Sika® underlayments. Movement (expansion) joints should be provided to comply with TCNA method EJ171. Concrete must be free of any negative hydrostatic pressure

and/or excessive moisture.

Refer to the individual waterproofing membrane Product Data Sheet (PDS) the SikaTile®-150 Moisture Guard Fabric DH is intended to be used with.

## APPLICATION

### DRAIN TREATMENTS

#### Bonding Flange Drain:

- Substrate is to be pre-sloped flush to the top of the bonded flange drain before installing SikaTile®-150 Moisture Guard Fabric Membrane. Lay fabric over the flange and cut drain opening and bolt hole openings. Remove fabric and apply appropriate SikaTile® mortar on the substrate up to drain flange edge. Apply a continuous bead of Sikaflex®-11 FC Sealant on top of the flange outside of the bolt hole diameter under where the clamping ring will seat. Embed fabric into the mortar and sealant before the products set. Tighten clamping ring immediately and flatten fabric, mortar and sealant. Ensure that fabric follows the slope of the substrate without obstructing the flow of water to the drain.

#### Linear Drain:

- Substrate is to be pre-sloped flush to the top of the drain flange before installing SikaTile®-150 Moisture Guard Fabric Membrane. Lay fabric over the flange and cut drain opening. Remove fabric and apply SikaTile® mortar on the substrate up to drain flange edge. Apply a continuous bead of Sikaflex®-11 FC Sealant on top of the flange. Embed fabric into the mortar and sealant before the products set. Flatten fabric over the mortar and sealant, ensuring that fabric follows the slope of the substrate without obstructing the flow of water to the drain.

#### Clamping Ring Drain:

- Substrate is to be pre-sloped flush to the top of the drain flange before installing SikaTile®-150 Moisture Guard Fabric Membrane.
- Lay SikaTile®-150 Moisture Guard Fabric Membrane over the top of the drain and cut an X where each bolt will penetrate the membrane. Cut a hole in the membrane to allow the drain grate to be threaded into the clamping ring. (Use of a fabric circle cutter is

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**BUILDING TRUST**



recommended.)

- Embed SikaTile®-150 Moisture Guard Fabric Membrane, making sure to align the previously cut holes for the bolts and drain throat. Remove fabric and apply appropriate SikaTile® mortar on the substrate up to drain flange edge.
- Apply a continuous bead of Sikaflex®-11 FC Sealant on top of the flange outside of the bolt hole diameter under where the clamping ring will seat.
- Embed fabric into the mortar and sealant before the products set. Tighten clamping ring immediately and flatten fabric, mortar and sealant.
- Check to make sure that weep holes are not plugged by any material. Install final mortar bed slope to the drain, protecting weep holes by using pea gravel or crushed stone. Once mortar bed is dry, tile installation can begin.

#### **Clamping Ring Drain Using Divot Method:**

- With the bottom portion of a standard clamping ring in place and sitting on the substrate, a bonded or non-bonded mortar bed of SikaTile®-910 Floor Mud with a divot around the drain should be installed around the clamping ring body.
- Mortar bed should be sloped at 1/4" per foot (6 mm per 30.5 cm).
- Place a bead of Sikaflex®-11 FC Sealant on the top surface of the body of the clamping ring outside of the clamping ring throat being careful not to block any weep holes.
- Place or SikaTile®-150 Moisture Guard Fabric DH - Deep Drawn Drain Collar over the standard clamping ringbolts and cut a 1/2" (12.5 mm) X through the fabric so the drain collar can slide over the bolts.
- Apply appropriate SikaTile® tile mortar with a 1/4" x 3/16" (6 mm x 5 mm) V-notched trowel over the mortar bed. Press the SikaTile®-150 Moisture Guard Fabric DH Deep Drawn Drain Collar firmly into the SikaTile® mortar. Remove any trapped air to ensure full adhesion to the Drain Collar material by spreading the SikaTile® mortar from the inside of the drain collar outward using a trowel or straightedge with rounded corners.
- Place another bead of Sikaflex®-11 FC Sealant on the underside of the top portion of the clamping ring, being careful not to block any weep holes. Place the top portion of the clamping ring over the Drain Collar and the bolts protruding up from the bottom portion of the clamping ring through the Drain Collar. Secure the clamping ring nuts and tighten as required.
- Cut a hole in the Drain Collar material to allow a drain grate to be threaded into the clamping ring. (Use of a fabric circle cutter is recommended.)
- Screw the drain grate into the clamping ring assembly to the desired height for tiling. Protect weep holes in the clamping ring drain from clogging by filling the recessed area around the drain grate with pea gravel and additional SikaTile® Floor Mud or equivalent.
- To provide a watertight assembly, particularly within the recessed area, cut a waterproofing membrane (e.g., SikaTile®-150 Moisture Guard Fabric Membrane)

to cover the flooring from the walls up to the threaded drain grate so that the waterproofing membrane extends over the entire Deep Drawn Drain Collar (including portions thereof residing within the recessed area), over the standard clamping ring assembly (including over and inboard all outer edges of top and bottom clamping rings of such assembly), and over the mortar and pea gravel within the recessed area around the drain grate. Cutting the waterproofing membrane so that it fits tightly around the drain grate minimizes water seepage into the mortar and pea gravel within the divot region.

- Apply appropriate SikaTile® mortar with a 1/4"x 3/16" (6 mm x 5 mm) V-notched trowel over SikaTile®-910 Floor Mud mortar bed. Press the SikaTile®-150 Moisture Guard Fabric Membrane firmly into the tile mortar. Remove any trapped air to guarantee full adhesion to the material by spreading the SikaTile® mortar from the center of the fabric sheet membrane outward to the edges using a trowel or straightedge with rounded corners.
- Apply Sikaflex®-11 FC Sealant over the waterproofing membrane abutting the drain grate area to further provide a watertight assembly, particularly within the recessed area.

SikaTile®-150 Moisture Guard Fabric DH Deep Drawn Drain Collar is available in both 3/4" (19 mm) and 1-1/2" (38 mm) depths and a 17" (43 cm) diameter.

If flood testing is required, allow SikaTile®-150 Moisture Guard Fabric Membrane system to cure for at least 24 hours at 73°F (23°C) and 50% relative humidity (RH).

#### **PROTECTION**

Protect from traffic, dirt, or dust from other trades until the final installation of the floor covering.

#### **LIMITATIONS**

- Do not use below 40°F (4°C); do not allow membrane or substrate to be below 40°F (4°C) for the first 72 hours after application.
- Do not install over substrates containing asbestos.
- Refer to the individual waterproofing membrane Product Data Sheet (PDS) the SikaTile®-150 Moisture Guard Fabric DH is intended to be used with.

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## 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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