Method Statement
SikaProof® A
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System Description:

SikaProof® A is a fully and permanently bonded, flexible sheet waterproofing membrane system. It consisting of an embossed flexible polyolefin (FPO) membrane (1) laminated with a unique polyolefin (PO) sealant (2) applied in a fine grid pattern and a non-woven length strengthened polypropylene (PP) fleece (3).

The full and permanent bond occurs by the mechanical bond of fresh concrete fully embedding the fleece, and the adhesion of the sealant grid. This dual bond effect prevents any lateral water migration or underflow between the membrane system and the hardened concrete structure.

The SikaProof® A system is a pre-applied waterproofing system that is designed for installation before the steel reinforcement is placed and the concrete is poured. No membrane welding is required because all of the joints overlap and other details are securely adhered and sealed using special self-adhesive strips and adhesive tapes.

1.1. References

Europe
- Product Declaration EN 13967 – Flexible sheets for waterproofing
- Function tests for German approval (abP) at the test institute Wissbau Beratende Ing.-GmbH, Essen
- Germany DIN 20000-202, chart 15 (application of building products - part 202, standard for application for waterproofing sheets):

North America
- ASTM Test D 5385 modified

1.2. Limitations

Any limitations for the application and use are described in the Product Data Sheet (PDS) of SikaProof® A. Please refer to the PDS regarding relevant limits of:

- Substrate quality
- Ambient air temperature
- UV stability
- Resistance to aggressive mediums in ground water and soil
- Ambient temperature of liquids
- Chemical resistance
- Water pressure
2. Products and Systems

The SikaProof® A system consists of the following system components:

a. **SikaProof® A membrane:**
   Flexible light yellow FPO (flexible Polyolefin) membrane system in 3 different thicknesses and 1.0 or 2.0 m width rolls:

<table>
<thead>
<tr>
<th>SikaProof® A-05</th>
<th>SikaProof® A-08</th>
<th>SikaProof® A-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Membrane Thickness</td>
<td>0.50 mm (0.02 in.)</td>
<td>0.80 mm (0.03 in.)</td>
</tr>
<tr>
<td>Total Thickness</td>
<td>1.00 mm (0.04 in.)</td>
<td>1.25 mm (0.05 in.)</td>
</tr>
<tr>
<td>Roll length</td>
<td>30 m (98 ft.)</td>
<td>25 m (82 ft.)</td>
</tr>
<tr>
<td>Roll width</td>
<td>1.0 m (3.28 ft.)</td>
<td>2.0 m (6.56 ft.)</td>
</tr>
<tr>
<td>Roll weight</td>
<td>27.0 kg (59.4 lbs)</td>
<td>54.0 kg (118.8 lbs)</td>
</tr>
</tbody>
</table>

b. **Self-adhesive tapes for bonding joints and details:**

   **SikaProof® Tape-150**
   Butyl rubber based self-adhesive tape with the SikaProof® fully bonded system for internal jointing on the white fleece side of the SikaProof® A sheet membrane waterproofing system.

   **SikaProof® ExTape-150**
   Butyl rubber based self-adhesive tape for external jointing on the yellow membrane side of the SikaProof® A sheet membrane waterproofing system.

<table>
<thead>
<tr>
<th>SikaProof® Tape-150</th>
<th>SikaProof® ExTape-150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tape Thickness</td>
<td>1.80 mm (0.07 in.)</td>
</tr>
<tr>
<td>Tape width</td>
<td>150 mm (5.91 in.)</td>
</tr>
<tr>
<td>Tape length</td>
<td>25 m (82 ft.)</td>
</tr>
</tbody>
</table>
c. Accessories

**SikaProof® A-05 / -08 / -12 Edge**
Preformed SikaProof® A membrane Edge for fast and secure installation of the membrane system’s perimeter edges and terminations. These Edge strips are available in 200 mm (7.87 in.) x 800 mm (31.50 in.) width sides with the self-adhesive strip on the wider side.

**SikaProof® Patch-200**
This self-adhesive tape consists of a 0.5 mm thick flexible SikaProof® A membrane laminated with SikaProof® A adhesive and covered with a release liner. The patch is used for the external repair of any local damage, such as accidental penetration by formwork hardware, or steel bars, etc. It is available in 200 mm (7.87 in.) wide by 20 m (65 ft.) long rolls.

**SikaProof® MetalSheet**
A metal sheet, laminated with SikaProof® A bonding technology to seal and form details, such as around pile heads.

**SikaProof® FixTape-50**
This double faced butyl-rubber adhesive tape is used for repairing and temporary fixing of the SikaProof® A membrane system. This tape is available in 50 mm (1.97 in.) wide by 20 m (65 ft.) long rolls.

2.1. Storage Conditions / Shelf Life

SikaProof® A rolls have a shelf life of 12 months from date of production if stored properly in unopened undamaged original packaging, in a horizontal position, in dry conditions, and at temperatures between +5°C ( +40°F) and +30°C (+90°F). They must be protected from direct sunlight, rain, snow, and ice, etc. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage.

2.2. System Build – Up

SikaProof® A is pre- and cold-applied system, installed as a single-ply membrane loosely laid on the prepared substrate. In order to fully and permanently bond it to the concrete structure, it is essential that the concrete is cast directly onto the installed membrane system.

1. Subsoil
2. Concrete blinding, or other substrates
3. SikaProof® A membrane system
4. Reinforced concrete structure
3. Project Design
Successful basement waterproofing requires detailed planning and should be considered in
the early stages of the design process.
The project’s specific situation, function, exposure, and any other requirements must be
defined in order to select the appropriate waterproofing solution and the correct thickness of
the SikaProof® A waterproofing system that should be installed.
The following aspects have to be considered:
- Type of excavation and substrate
- Maximum water pressure
- Type and degree of any chemical attack
- Minimum thickness of the structure
- Level of anticipated settlement
- Concrete type and consistency
- Construction programme for an efficient waterproofing system installation process

Selection of the SikaProof® A membrane system
It is not only the water pressure that is relevant for the selection of the correct SikaProof®
A membrane. The different levels of exposure and the requirements of the construction
process are also important in defining the most appropriate SikaProof® A membrane system.
- Level of ground water: Damp soil, percolating water, or water under hydrostatic
  pressure  Ground conditions: Aggressive mediums (such as sea / salt water,
methane gas, etc.), type of soil, ground water temperature, exposure to
earthquakes, etc.
- Loading conditions: Static load, uplifting force, settlement, dynamic forces
- Degree of watertightness required, whether minimal seepage can be tolerated,
or if absolutely no water penetration, or even no water vapor penetration is
permissible.
- Level of durability and service life required.
The following additional requirements are also essential for a fully and permanently bonded waterproofing system without any lateral water underflow or migration.

- The concrete structure can be reinforced or not, but it must always be stable enough to resist cracking.
- Concrete elements need to be > 10 cm (4 in.) thick. Reduced concrete thickness and therefore reduced pressure during placing onto the SikaProof® A membrane system could result in limited bond.
- The concrete consistency as well as good workmanship (especially with concrete vibration and compaction) is also very important.

The table below can be used as a general selection guide for specific decision criteria. There are various criteria that influence the selection of type of membrane type and depends on project requirements.

<table>
<thead>
<tr>
<th>General criteria</th>
<th>SikaProof® A-05</th>
<th>SikaProof® A-08</th>
<th>SikaProof® A-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical use</td>
<td>Damp-proofing / concrete protection / waterproofing</td>
<td>Waterproofing for civil engineering structures</td>
<td>Waterproofing for civil engineering structures</td>
</tr>
<tr>
<td>Typical application</td>
<td>Slab on grade / walls / precast elements</td>
<td>Base slab / walls / precast elements</td>
<td>Base slab / walls / precast elements</td>
</tr>
<tr>
<td>Recommended max. water head</td>
<td>&lt;3.0 m (10.0 ft.) water pressure</td>
<td>&lt;5.0 m (16 ft.) water pressure</td>
<td>&lt;10.0 m (33 ft.) water pressure</td>
</tr>
<tr>
<td>Max. thickness of concrete structure</td>
<td>0.10 to 25.0 m (0.33 ft. to 0.82 ft.)</td>
<td>&lt;0.50 m (1.64 ft.)</td>
<td>&lt;1.0 m (3.28 ft.)</td>
</tr>
<tr>
<td>Radon permeability</td>
<td>N/A</td>
<td>Approved</td>
<td>Approved</td>
</tr>
</tbody>
</table>

4. Environment, Health, and Safety

Personal Protection
No special PPE or safety equipment is required for the installation of the SikaProof® A membrane system.

Waste Disposal
The SikaProof® A membrane and the ancillary tapes are made from synthetic polymers (except the cartons and roll cores). Any excess materials can be recycled. Please dispose of the materials in accordance with local regulations.
5. Application / Installation

SikaProof® A is a pre-applied system, meaning that it is installed before the steel reinforcement is applied and the concrete is poured. Joints and other connection details are adhered using self-adhesive strips on the membranes or by using additional special self-adhesive tapes. Complicated and time consuming membrane welding is therefore no longer necessary on site.

5.1. Substrate Preparation

The substrate for the SikaProof® A membrane system needs sufficient stability to avoid movement during construction work. A smooth, uniform and clean substrate surface also minimises the risk of damage. The substrate should be free from oil and grease, dust, and any other loose particles. Large gaps and voids (> 12-15 mm or 0.5-0.6 in.) must be filled before installation. The substrate can be damp, but ponding water must be avoided. Suitable substrates are:

- Concrete or blinding concrete
- Formwork
- Rigid thermal insulation
- Wooden frames

If there is an uneven or rough surface, or ponding water, then additional protection or a drainage layer is required, i.e.

- Sikaplan® WT Protection sheet
- Sikaplan® W Tundrain
- Sikaplan® W Felts

Substrate conditions / limitations:

- Substrate temperature, min. +5°C (40°F) / max. 35°C (90°F)
- Substrate dry, or slightly damp
5.2. Application Method

The following installation procedure applies only to the SikaProof® A system. It is different from the installation procedure of other membrane systems such as the Sikaplan® sheet membrane systems.

General installation procedure:
1. Ensure the substrate is correctly constructed and prepared, see section 5.1.
2. Install the pre-formed SikaProof® A Edge sheet for the perimeters and terminations / connections.
3. Form the corners with the same pre-fabricated Edge sheet and adhere them double externally with SikaProof® ExTape-150 and internally with SikaProof® Tape-150.
4. Lay the SikaProof® A membranes on the horizontal and vertical surfaces using the 1.0 or 2.0 m width rolls (as appropriate) and adhere the joints with the self-adhesive strips lengthways and for cross joints using the SikaProof® Tape-150 and SikaProof® ExTape-150.
5. Form all existing details, such as pipe penetrations, shaft connections, pits, pile heads, expansion joints, and any other details using the appropriate accessory products, (see section 5.3).
6. Finally, check all the joints, connections and details, to ensure they are correctly and fully adhered using the SikaProof® Tape-150 and SikaProof® ExTape-150, (see section 5.4).
7. After the SikaProof® membrane system is applied, the reinforcement will be installed (see section 5.5) and the concrete will be poured (see section 5.6).
8. After removing the formwork penetrations, such as shuttering anchors, any membrane damage and any construction joints can be sealed on the external side (on the membrane) with the SikaProof® Patch-200 or the Sikadur® Combiflex SG system, (see section 5.3).
9. Finally, the walls will be backfilled. Special protection sheets must be used to prevent any damage, (see section 5.7).
2) Install the perimeter
With the pre-fabricated SikaProof® A-05 / -08 / -12 Edge sheet, the perimeter and connection details can be quickly and easily applied. The shorter side, with the self-adhesive strip should be applied on the base slab, where the next sheet will be adhered to it.

If there is to be a continuous connection between the membrane and the wall, the vertical angle of the edge sheet should:

- Overlap the starter bars by a minimum of 30 cm (12 in.)
- Overlap the base slab by a minimum of 50 cm (20 in.)

This makes it easier to attach the next membrane sheet.

3) Form the corners
Corners are formed from the SikaProof® A-05 / -08 / -12 Edge sheet by cutting, folding and adhering them with the SikaProof® ExTape-150 externally and with the SikaProof® Tape-150 internally. The detailed procedure is explained in section 5.3, Details.

4) Layout the area
Roll out the sheet membrane rolls of 1.0 m or 2.0 m width. Overlap the sheets in line with the next membrane over the self-adhesive strip, adjust the sheets, using the marking line, then adhere them.

- Overlap by a minimum of 9 cm (3 1/2 in.) (the marking line)
- Either a minimum of 5 mm (3/16 in.) of the adhesive strip or part of the marking line must remain visible
- Use a pressure roller to adhere the strip properly!

To adhere the cross joints correctly:

- Overlap the membrane by a minimum of 5 cm (2 in.)
- Tape overlap minimum 7.5 cm (3 in.), centered over seam
- Adhere SikaProof® ExTape-150 on the membrane side, externally upside down
- Adhere SikaProof® Tape-150 to the fleece on the inside
- Use a pressure roller to adhere the tape securely!
4a) Horizontal areas
As described in step 4).

4b) Vertical areas
In vertical areas the membrane can be laid in a horizontal or in a vertical direction.

For a correct connection from horizontal to vertical areas, the membrane sheet should
- Overlap the starter bars by a minimum of 30 cm (12 in.)
- Or overlap the slab by a minimum of 50 cm (20 in.)
This makes it easier to adhere the next membrane sheet. Joints in vertical areas should point downwards.

For temporary securing of the membrane there are several options:
- Nail a wooden slat on the top
- Use dowels into insulation substrates
- Use double-sided adhesive tape
- Secure membrane with a staple gun
- Secure membrane by heat welding it onto a Sikaplan® WT Disc

In all situations where the membranes are penetrated, the penetration has to be sealed subsequently with SikaProof® Tape-150. Alternatively, perforated overlaps on the top can be cut off.

5) Forming details
For information on how to form details such as pipe penetrations, shafts, pits, pile heads, etc. please refer to Section 5.3.
5.3. Details

This section shows how to execute the typical details. All of these details are easily, quickly and securely installed with SikaProof® A accessories. These details have been tested and approved by independent functional testing bodies.

For further details please contact a Sika Greenstreak Engineer.

a) Corners

Internal and external corners can easily be formed to a 90° angle or by using the pre-formed SikaProof® A-05 / -08 / -12 Edge sheet or the SikaProof® A membrane sheets in 1.0 m (3.28 ft.) width.

■ External corners

1. Cut the SikaProof® A-05 / -08 / -12 Edge, fold an external corner and adjust it. Cut the edge sheet at a 45° angle to get the best connection to the next membrane sheet with the self-adhesive strip (see drawing).

2. Cut a triangular shaped piece of membrane with a self-adhesive strip on the longer side. Cut the corner end approximately 3 cm (3/16 in.).

3. Adhere two pieces of SikaProof® ExTape-150 on each side of the angle on the membrane side. In the corner, overlap the tape and adhere it.

4. Fit and adhere the shaped piece.

5. Finally adhere two pieces of SikaProof® Tape-150. In the corner overlap them and ensure they are adhered properly using a pressure roller. >>> The length of the tapes should overlap on each side by min 5 cm (2 in.).

■ Internal corners

1. Cut the SikaProof® A-05 / -08 / -12 Edge

2. Fold the two ends to shape an internal corner.

3. Adjust the corner, and cut the overlap piece diagonally so that the two self-adhesive strips just overlap (see drawing).

4. Adhere the two ends with the lower self-adhesive strip. Release the liner and add just the end of the overlap.

5. Lift the corner up and adhere the SikaProof® ExTape-150 on the externally open side of the overlap on the membrane side.

6. Finally adhere the SikaProof® Tape-150 on the internal overlap and ensure it is adhered properly using a pressure roller. >>> The length of the tapes should overlap on each side by min 5 cm (2 in.).
b) Pipe Penetrations
Pipe penetrations or similar penetration details are executed as shown below.

![Diagram of pipe penetration with numbers 1 and 2]

1. SikaProof® A
2. SikaProof® Tape-150

**Layout the area:**
1. Cut a cross in the membrane at the position of the penetration and fit the membrane to the area around the pipe.

**Next step, execute the details:**
2. Cut another wider square of membrane and position around the pipe or penetration.
3. Adhere SikaProof® ExTape-150 upside down on the membrane edges all around.
4. Cut a bigger square of the membrane. Then cut a hole with a diameter 1-2 cm (3/8 - 3/4 in.) smaller than the penetration (pipe etc.)
5. Pull this piece over the pipe and fit it at the bottom so, that a collar of minimum 1 cm (3/8 in.) is in place.
6. Vertically around the pipe surface adhere SikaProof® Tape-150 so that there is an overlap at the bottom with a membrane collar of min. 1 cm (3/8 in.).
7. Finally adhere the square cut piece to the existing membrane (internally on the fleece side) using SikaProof® Tape-150 all around, ensure it is adhered securely using a pressure roller.
c) Special penetrations such as shuttering anchors

External penetrations or damage to the outside - the membrane side - can be sealed or repaired using the SikaProof® Patch-200 after removing the formwork. The patch is adhered in place with a minimum overlap (adhesion surface) of 8 cm (3 in.). For optimum adhesion and tight penetration, first level the surface using SikaProof® FixTape-50.

![Diagram of special penetrations]

1. Sika® Waterstop WT
2. SikaProof® Patch-200
3. SikaProof® A
4. SikaProof® Fix Tape-50

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d) Construction / Expansion Joints

The SikaProof® A system can be combined with other Sika waterproofing systems for sealing expansion or construction joints, including as described using the SikaProof® Patch-200.

For construction joints it is possible to use the SikaProof® A membrane in combination with:

**for pre-applied use:**
- Sika® Waterstop WT
- SikaSwell®
- SikaFuko® Injection Hose system

**for post-applied use:**
- SikaProof® Patch-200
- Sikadur-Combiflex® SG System

![Diagram of construction / expansion joints]
e) Pile head

The execution of this detail is similar to that of the Sikaplan® membrane system. However, we use the SikaProof® MetalSheet instead of a waterstop. This metal sheet is laminated with the SikaProof® Tape-150 for a full bond between the pile cap and structure.

Layout the area:
1. Cut the membrane according to the position of the pile head and apply it correctly around the base.

Next step, execute the detailing:
2. Cut a shape out of the membrane wider than the pile, leaving a gap of max 5 cm (2 in.) between the pile and the membrane.
3. Form a circle with the SikaProof® MetalSheet as a formwork. The diameter should be wider by a minimum of 5 cm (2 in.) than the cut membrane space.
4. Fix the circle with SikaProof® FixTape-50 with an overlap of min 3 cm (1 3/16 in.).
5. Set the circle in position and fix it to the SikaProof® A membrane with SikaProof® FixTape-50.
6. Position the pile head framework and pour Sika waterproof concrete or SikaGrout in the formwork of the SikaProof® MetalSheet.
7. Finally, seal the top of the pile head with a suitable Sikadur or Sikaflex sealant, especially around the reinforcement bars.
8. Additionally, a SikaSwell® or a SikaFuko® Injection hose can be installed as a back-up system to seal any future leaks caused for whatever reason.
5.4. Adhering and sealing of the membrane sheet joints

All joint overlaps should be adhered together with either the longitudinal self-adhesive strip (1) on the membranes or by the detailing tapes for transverse / cross joints (2). It is important, that the cross joints (3) are staggered and not made in a line.

1. Longitudinal joints overlapping with self-adhesive strip
2. Cross joints, SikaProof® ExTape-150
3. Cross joints, SikaProof® Tape-150
4. Next sheet

Installation procedure for the self-adhesive strips:

1. Adjust the membrane overlaps.
2. Fix the membrane and release the liner below (at 45°) to adhere the overlap.
3. Ensure the overlapped joint is adhered securely by using a pressure roller.

Installation procedure for the detailing tapes:

1. Ensure that the overlap is a minimum of 5 cm (2 in.).
2. Lift up the membrane and fold it back.
3. Cut the SikaProof® ExTape-150 to size, with an overlap of 9 cm (3 1/2 in.) at both ends.
4. Release the side of the divided liner.
5. Adhere it externally and upside down on the side of the membrane.
6. Release the other side of the liner and adhere the overlap with the next membrane sheet.
7. Cut the SikaProof® Tape-150 to size, again with an overlap of approximately 8 cm (3 in.) at both ends.
8. Finally adhere it equally over the overlap
9. Press it firmly and uniformly into the fleece layer with a pressure roller (i.e. Leister silicon roller).

SikaProof® Tape-150 (1) is used together with SikaProof® ExTape-150 (2) for easy, quick and secure double adhesion of joints and connections.
5.5. Reinforcement work

Unlike other membrane waterproofing systems, no additional protective layer, such as a screed, is required for the SikaProof® A membrane system. Therefore the reinforcement has to be installed carefully. If the membrane is damaged it must be repaired with a patch of SikaProof® Tape-150. The patch must be large enough to ensure an overlap of at least 7 cm (2 3/4 in.). For an inspection checklist after the steel reinforcement has been placed, see section 6.

Spacers

- Only use spacers without sharp edges or feet as these could penetrate the membrane.
- Use specially designed spacers (see below) for optimum embedding of the fleece in the cement slurry. This is important for a full bond of the SikaProof® A membrane system to the concrete structure also in place of the spacers! (i.e. supplier Max Frank GmbH & Co. KG has the appropriate spacers in their product range)

5.6. Concrete Work

Before the concrete is poured, make sure that all debris is removed and that the surface of the membrane is not soiled. Also remove any ponding water and any ice or snow.

The concrete workmanship has to be carried out properly. The following points are essential for a successful fully bonded membrane waterproofing system:

- Correct concrete type / mix design
- Correct concrete consistency
- Correct workmanship, especially vibration and compaction
- Pre-inspection of the area, (see section 6).

5.7. Backfilling Work

As with all other waterproofing membrane systems SikaProof® A needs to be protected during backfilling work.

The following ancillary products are available to assist:

- Sikaplan® WT Protection sheet
- Sikaplan® W Felts textiles
6. Inspection, Quality Control

The SikaProof® A system must only be installed by trained and approved Sika contractors. As a rule, a continuous workflow during installation, following a pre-defined procedure, is best to prevent mistakes.

When installation is complete, quality control checks of the system can be conducted by means of a visual inspection of the entire surface, paying particular attention to the adhered joints.

**Checklist for inspection after installation of the SikaProof® A membrane:**

- The entire surface is covered with the SikaProof® A membrane system.
- All self-adhesive strips are fully adhered and all release liners have been completely removed.
- All detailing tapes for the connections and joints have been correctly adhered. (easily checked by examining the light green tape and the black butyl rubber)
- Adhered joints can easily be checked with a screwdriver to see if they are correctly adhered or not!
- Finally, remove all excess materials and waste (such as release liners) and any other debris from installation of the membrane system.

**Checklist for inspection after the steel reinforcement work but before concrete placement:**

- Check for any membrane damage and ensure that any cuts or holes in the membrane have been repaired using patches of SikaProof® Tape-150 (on the fleece side) or on the membrane side with SikaProof® Patch-200.
- Finally remove all scrap (such as release liners, labels, or tie-wires etc.) from the steel reinforcement work.

There are no additional Quality Control methods available after concrete placement, as there are for Sikaplan® welded membrane waterproofing systems i.e. no vacuum testing is possible.

7. Equipment – Tools

No special equipment or tools are required for the installation. SikaProof® A is a simple system that is easy to apply. It can be securely installed using just the following tools:

- Tape measure
- Marking pen
- Membrane cutter
- Pressure roller (i.e. Leister silicon roller)
- Clean, dry towels
8. Certificates

Fully bonded sheet membrane waterproofing systems for basements, such as SikaProof® A, are not yet subject to any agreed International Standards. Therefore existing tests and standards were adapted to assess and confirm the system’s suitability in terms of its watertightness and the fully bonded performance:

Europe

- Product Declaration EN 13967 – Flexible sheets for waterproofing
  CE Certificate No. 1349-CPD-065, 16.08.2011
- Function tests for German approval (abP) at the test institute Wissbau Beratende Ing.-GmbH, Essen
  - Function test report No. 2010-212 for SikaProof® A-08, 03.05.2011
  - Function test report No. 2010-212-6 for penetrations, …
  - Function test report No. 2012-212-7 (Pile head), …
- German abP: Tested with SikaProof® A-08 at the MPA NRW see approval abP No. P-22-MPA NRW-8600
- Germany DIN 20000-202 (application of building products - part 202, standard for application for waterproofing sheets):
  Tested with SikaProof® A-12 at the MPA NRW and approved to conform with German Standard DIN 20000-202, chart 15
  test-report No. 220008987-1.

North America

- ASTM Test D 5385 modified:
  SikaProof® A was tested in the accredited in-house test lab and passed the water pressure test up to 7 bar (70 meter water head) without any lateral water migration, see test-report MPL ASTM D5385 - 2011.
9. Disclaimer and Warranty

Disclaimer:
The information, and, in particular, the recommendation relating to the application and end-use of Sika Greenstreak products, are given in good faith based on Sika Greenstreak's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika Greenstreak recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect to merchantability of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, may be inferred from this information. The user of the product must determine the product's suitability for the intended application and purpose. Sika Greenstreak reserves the right to change the properties of its products. 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.

Warranty:
SIKA Greenstreak 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 Technical Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA GREENSTREAK 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.