



PRODUCT DATA SHEET

SikaProof® Adhesive-11 H

POLYURETHANE ADHESIVE, FOR USE WITH SIKAPROOF® WATERPROOFING SYSTEM

PRODUCT DESCRIPTION

SikaProof® Adhesive-11 H is a thixotropic 2-component polyurethane adhesive. SikaProof® Adhesive-11 H is part of the SikaProof® P-1201 System and is used to adhere the SikaProof® P-1200 membrane to concrete or other suitable cementitious substrates for horizontal applications.

WHERE TO USE

SikaProof® Adhesive-11 H may only be used by experienced professionals.

- SikaProof® Adhesive-11 H is used for bonding the SikaProof® P-1200 waterproofing membrane to reinforced concrete to form a fully bonded membrane waterproofing system used for horizontal applications on basements and other below ground structures.

CHARACTERISTICS / ADVANTAGES

- High adhesion to concrete or other cementitious substrates
- High water and mechanical resistance
- Solvent free
- No primer needed
- Can be used as levelling layer
- Cold weather applications down to -17 °C (0 °F)
- Easy to mix and apply

PRODUCT INFORMATION

CSC MasterFormat®	07 13 00 SHEET WATERPROOFING	
Composition / Manufacturing	Component A	Polyols, filled
	Component B	Isocyanate derivatives
Packaging	Component A	25 kg pail (55 lb) (6.5 US gal.)
	Component B	5 kg pail (11 lb) (2 US gal.)
Colour	Component A	Beige
	Component B	Brown
	Mixed	Beige
Shelf Life	Component A	12 months
	Component B	6 months

The indicated shelf life is from the date of production if stored properly in undamaged, unopened, original sealed packaging. For expiration date see label.

Storage Conditions	Dry storage at temperature from 5 °C (41 °F) up to 30 °C (86 °F). Protect from direct sunlight, rain, snow, ice, humidity, etc. Store in a horizontal position. Do not stack pallets on top of each other, or under pallets of any other material during transport or storage.	
Density	Component A	1.65 g/ml
	Component B	1.23 g/ml
	Mixed	1.56 g/ml
Viscosity	Component A	47,600 cP
	Component B	40 cP
	Mixed	Paste

SYSTEMS

System Structure	SikaProof® Adhesive-11H is part of the SikaProof® P-1201 System:	
	Waterproofing Membrane	SikaProof® P-1200
	Adhesive (Horizontal Applications)	SikaProof® Adhesive-11H
	Adhesive (Vertical Applications)	SikaProof® Adhesive-11V
	See current Method Statement of the SikaProof® P-1201 System for compatible accessories and complementary products used to create the relevant details and connections.	

APPLICATION INFORMATION

Mixing Ratio	By volume A:B	100 : 25
	By weight A:B	100 : 19
Consumption	Consumption can vary widely due to concrete surface conditions, application tools/techniques and waste. Contents of 1 unit will theoretically yield 21 m ² at 1.5 mm thickness.	
Ambient Air Temperature	-17 °C (0 °F) min. / 50 °C (120 °F) max.	
Dew Point	≥ 3°C above dew point temperature	
Substrate Moisture Content	≤ 4 % by weight as measured with a Tramex moisture meter	
Pot Life	90 min. at 24°C (75 °F)	

BASIS OF PRODUCT DATA

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.

LIMITATIONS

- The substrate should be dry and free of frost, ice or snow.
- Direct-fired gas or kerosene heaters increase the carbon dioxide content in the air and also produce

significant amounts of water vapour. Properly exhaust heaters to the exterior of the work area to prevent damage to the work (such as but not limited to amine blush, whitening, debonding, etc.).

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Reinforced concrete structure must be:

- Hardened and of sufficient compressive strength, minimum 25 MPa (3600 psi)
- With a minimum pull off strength 1.5 MPa (215 psi)
- Dry, sound, clean and free of any contaminations (e.g. dust, oil, grease, release agent)
- Free from surface defects (e.g. blowholes, voids, honeycombing, cracks, protrusions)

SUBSTRATE PREPARATION

The concrete or other suitable cementitious substrate must meet the defined substrate quality. If the substrate does not fulfil the requirements, the surface must be pre-treated prior to the application, in order to prevent any subsequent damage to the membrane sheets. For more detailed information and guidance please refer to the current Method statement for the SikaProof® P-1201 System.

MIXING

Mix components A+B together in the correct proportion into a suitable mixing pail for at least 3 minutes with a low speed mixer until the material becomes smooth in consistency and a uniform white colour. Avoid aeration while mixing the 2 components. Pour the whole mix into another clean container and mix again for at least 1 more minute. Mix only that quantity which can be used within its pot life.

APPLICATION METHOD / TOOLS

SikaProof® Adhesive-11 H is a component of the SikaProof® P-1201 post applied sheet membrane waterproofing system. For more information and guidance refer to the System Data Sheet and to the current Method Statement for the SikaProof® P-1201 System.

CLEAN UP

Clean all tools immediately after use with a solvent cleaner such as Xylene. Hardened material can only be removed mechanically (e.g., by sand-blasting).

Sika Canada Inc.

Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

Other locations

Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

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 in accordance with Sika's recommendations. 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