

PRODUCT DATA SHEET

SikaSense®-176

Universal adhesive for wet lamination of board joints

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Polymer dispersion
Color (CQP001-1)	White
Density	1.3 g/cm ³
pH value (CQP004-1)	7
Solid content (CQP002-2)	67 %
Viscosity	Brookfield RVT, Sp 5 / 5 rpm 24 000 mPa·s ^A
Application temperature	ambient 15 – 25 °C
Coat weight	60 – 150 g/m ²
Shelf life	6 months

CQP = Corporate Quality Procedure

A) 20 °C

DESCRIPTION

SikaSense®-176 is a 1-component water-based adhesive which is particularly suitable for wet assembly of water absorbing materials. Due to its high solid content SikaSense®-176 enables short pressing times when joining flat surfaces.

PRODUCT BENEFITS

- 1-component
- Fast setting
- Solvent free

AREAS OF APPLICATION

SikaSense®-176 is designed for joining flat surfaces, where one substrate must be able to absorb water from the adhesive. It can be used on wood, paper, foams, felts and different plastics. SikaSense®-176 is mainly used for the production of sandwich panel elements. This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

CURE MECHANISM

SikaSense®-176 is physically hardening (drying) by evaporation of water.

CHEMICAL RESISTANCE

SikaSense®-176 is temporarily resistant to aqueous surfactant, weak alkaline/acids solutions.

The chemical resistance is influenced by several factors such as chemical composition, concentration, period of exposure and temperature. Therefore a project related testing in case of chemical or thermal exposure is required.

METHOD OF APPLICATION

Surface preparation

Surfaces must be clean, dry and free from grease, oil and dust.

Application

SikaSense®-176 is evenly applied to one side by roller coater, serrated trowel, brush or another suitable device and laminated in the wet state. The pressing and open time depends on the substrate combinations and the required initial strength. Both need to be tested and verified for each specific application.

For advice on selecting and setting up a suitable pump system, contact the System Engineering Department of Sika Industry.

Removal

SikaSense®-176 may be removed from tools and equipment with water.

Hands and exposed skin have to be washed immediately using hand wipes such as Sika® Cleaner-350H or a suitable industrial hand cleaner and water.

Do not use solvents on skin.

STORAGE CONDITIONS

SikaSense®-176 is frost sensitive and has to be stored at temperatures between 5 °C and 25 °C in a dry place.

For transportation purposes, the storage temperature can be exceeded for a period of max. 4 weeks in the range between 5 and 40 °C.

FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Safety Data Sheets

PACKAGING INFORMATION

Pail	25 kg
Container	900 kg

BASIS OF PRODUCT DATA

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

DISCLAIMER

The information, and, in particular, the recommendations relating to the application and enduse 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 written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika 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.

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