

SikaCure[®] -4900; -4901; -4901 DBL; -4909

Curing agents for water-based dispersion adhesives

Technical Product Data

Chemical base		Polyisocyanate
Colour	4900 4901 4901 DBL 4909	Blue Dark blue Dark black Colourless
Solid content (CQP 002-0)		80% approx.
Density (CQP 006-0)		1.2 kg/l approx.
Viscosity, 20°C / Brookfield RVT, Sp. 2/10 Rpm		700 mPas approx.
Mix ratio (adhesive (SikaTherm [®] or SikaSense [®]) : curing agent		100:4 - 100:5
Pot life (20°C)	see Product Data Sheet of the adhesive	8 h approx.
Handling		Shake before use
Shelf life (storage 5-25°C in sealed container) SikaCure [®] is sensitive to frost, store above 5°C. An excess of the recommended storage temperature during transport is not critical.		12 months after production

¹⁾ CQP = Corporate Quality Procedure

²⁾ 23°C (73°F) / 50% r.h.

Description

SikaCure[®]-4900; -4901; -4901 DBL and -4909 are approved curing agents for waterborne dispersion adhesives. To good visual control of the mixing process SikaCure[®]-4900 is blue, -4901 is dark blue, -4901 DBL is dark black and -4909 is colourless.

SikaCure[®]-4900; -4901; -4901 DBL and -4909 increase both the cohesive strength of the adhesive film and its adhesion to the substrate. Simultaneously, there is a significant improvement in cycling exposures (resistance against temperature and humidity). SikaCure[®]-4900; -4901; -4901 DBL and -4909 are manufactured in accordance with ISO TS 16949 / ISO 14001 quality assurance system and the responsible care program.

Product Benefits

- Easy to mix in
- Increase in temperature resistance
- Increased resistance in cycling exposure
- Higher strength
- Improvement of the adhesion to difficult substrates
- Increased hydrolytic stability

Areas of Application

SikaCure[®]-4900; -4901; -4901 DBL and -4909 are used as curing agent for dispersion laminating adhesives processed according to the hot sealing or the contact bonding procedures. This product is suitable for professional experienced users only.

Industry



Method of Application

See the Product Data Sheets of the different adhesives and the 'Processing Guide for Sika Laminating Adhesives'.

Advice on specific applications is available from the Technical Service Department of Sika Industry.

Further Information

Copies of the following publications are available on request:

- Material Safety Data Sheet

Packaging Information (all four types)

4900	Can	0.200 kg 1.250 kg
4901	Can	0.250 kg 1.250 kg
4901 DBL	Can	0.500 kg 1.250 kg
4909	Can	0.200 kg 1.250 kg

Value Bases

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

Health and Safety Information

SikaCure® -4900; -4901; -4901 DBL and -4909 contain polyisocyanate. This polyisocyanate has at ambient temperature a vapour pressure of 100 mbar. At higher temperatures the tension (and correspondingly also the concentration in the air) is higher.

To reduce the concentration in the air below the 0.01 ppm TLV value, ventilation is necessary.

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

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 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.



Further information available at:
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