Technical Data Sheet
Version 09/2007

Industry

SikaCure®-4902; -4902 BE

Curing agent for water-based dispersion adhesives

Technical Product Data:

Chemical Base	Polyisocyanate
Colour 4902 4902 BE	Colorless Blue
Solid content (CQP 002-0)	80% approx.
Density (CQP 006-0)	1,2 kg/l approx.
Viscosity, (Brookfield RVT, Sp. 2/10 Rpm)	500 mPas approx.
Mix ratio adhesive (SikaTherm® or SikaSense®) : curing agent	100 : 4 to 100 : 5 (parts per weight)
Pot life	8 hrs. approx., (see Technical Data Sheet of the adhesive)
Handling	Shake before use (coloured types)
Shelf life	6 months in unopened original container at the storage temperature of 5 - 25℃. Short temperature exposures up to 30℃ are a llowed. SikaCure is sensitive to frost, store above +5℃. An excess of the recommended storage temperature during transport is not critical

Description

SikaCure®-4902 and -4902 BE are approved curing agent for waterborne dispersion adhesives. For good visual control of the mixing process, SikaCure®-4902 BE is blue.
SikaCure®-4902 and -4902 BE 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®-4902 and -4902 BE are manufactured in accordance with the ISO 9001/14001 quality assurance system.

Product benefits

- Very easy to mix in
- Increase in temperature resistance
- Increased resistance in cycling exposures
- Higher strength
- Improvement of the adhesion to difficult substrates
- Increased hydrolytic stability

Areas of application

SikaCure®-4902 and -4902 BE are used as curing agent for dispersion laminating adhesives processed according to the hot sealing or the contact bonding procedures.

Method of application

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

Further information

Copies of the following publications are available on request:
- Material Safety Data Sheet

Important

SikaCure®-4902 and -4902 BE contains polyisocyanate. This poly-isocyanate has at ambient temperature a very low vapour pressure, there-fore processing at room temperature doesn't entail the risk of breathing in isocyanate fumes. At higher temperatures the tension (and correspondingly also the concentration in the air) is higher. To reduce the concentration in the air below the 0.01ppm TLV value, ventilation is necessary.
For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheet containing physical, ecological and other safety related data.

Packaging information (all two types)

4902	Can	0,200 + 1,250 kg
4902 BE	Can	0,200 + 1,250 kg

Note

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.
For specific advice concerning pre-paration of the substrates or the choice of appropriate application devices, please contact our Technical Service.

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