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AB-SCHOMBURG

K - Q TSE-ISO-EN 9000

Technical Data Sheet

BAYCODUR-IH (Former: ASODUR-IH)

Injection resin

Description:
BAYCODUR-IH is a solvent free, transparent, two component epoxy resin.

Areas of application:
BAYCODUR-IH is used for the powerful adhesive sealing of cracks and joints in concrete and concrete components.

Properties/Advantages:
BAYCODUR-IH is resistant to alkalis, dilute acids, salt solutions, fuel and minerals as well as resistant to freeze-thaw cycles.

Technical Data:

Basis:	2 component epoxy resin
Viscosity:	300 – 400 mPa s
Density:	1,03 – 1,06 g/cm^3
Mixing ratio:	4:1 parts by weight (A:B)
Pot life:	approx. 20 minutes at +25°C approx. 10 minutes at +30°C
Min setting temperature:	+ 8°C
Ready for use:	after approx. 16 hours up to max. 24 hours at +23°C
Traffic after: approx.	16 hours up to max. 24 hours at +23°C
Light use:	after approx. 48 hours at +23°C
Full use:	after approx. 7 days at +23°C
Water absorption:	1,5% by weight
Volume shrinkage:	3,8%
Linear shrinkage:	0,36%
Saponification number:	0
Adhesion to concrete:	≥ 1,5 N/mm^2 (concrete failure)

Packaging:
BAYCODUR-IH is available in pack sizes of 5 kg. Components A and B are supplied in a complimentary mix ratio.

Storage & Shelf Live:
18 months in original unopened containers under cool and dry storage. Storage is to be in accordance with the regulations for storing material dangerous to watercourses.

Substrate:
The following criteria must be fulfilled:
Cementitious areas:
- Concrete quality: min. C20/25
- Screed quality: min. ZE 30
- Render quality: P III
- Age: min. 28 days
- Adhesion strength: ≥ 1,5 N/mm^2
- Residual moisture: < 4% (carbide hygrometer method)

Product Preparation:
Component A (resin) and component B (hardener) are delivered in a complimentary mix ratio. Tip component B into component A. Ensure that the hardener drains completely from the container. Mixing of the components is to be carried out with a suitable mixer at approx. 300 rpm (e.g. drill with paddle). It is important to stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir until the mix is homogenous (streak-free). Mix time approx. 5 minutes. The material temperature should be approx. +15°C during the mix process.
Do not use the mixed material directly from the delivered packaging! Decant the mass into a clean mix bucket and thoroughly mix through once again.

Application tools:
Hand operated lever press, foot operated pedal press, spray equipment.

Method of application/consumption:
1. Drill into the crack (crack width approx. 0,2 mm) at a distance of 20 cm apart.
2. Expel drilling dust from the holes with oil free compressed air.

3. Insert injection packmen.
4. Dam up the inserted packmen and crack zones on the surface with BAYCODUR-EP98. Strip width approx.15 cm.
   Consumption: approx. 300 g/m^2.
5. Once cured grout the crack damming with the thoroughly blended BAYCODUR-IH using the appropriate injection equipment. Vertical cracks: begin injection from the bottom. Horizontal cracks: begin injection from the left.
   Consumption: approx.1000 g/l.
6. Once the injection resin has cured, remove the injection packmen if required and close off the boreholes with ASOCRET-BT25/K and level off with the concrete surface.

Cleaning of tools:

Tools must be thoroughly cleaned immediately after use with a suitable cleaner.

Health & Safety Information:

Once cured BAYCODUR-IH is physiologically harmless. The hardener (component B) is corrosive. When working with this product the protective provisions from
the government safety organisation, information sheet M 023 as well as the advice given on the packaging must be observed.

Important Advice:

- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the technical services department of AB-SCHOMBURG.
- Cured residues are to be disposed of under the waste code number 57123 "Epoxy resin".