

PRODUCT DATA SHEET

Sikadur® AP

All purpose epoxy adhesive paste

DESCRIPTION

Sikadur® AP is an all purpose, two component, epoxy paste adhesive

USES

Sikadur® AP is used for general bonding and patching of a wide variety of materials such as:

- Brick
- Concrete
- Wood
- Ceramic
- Metal

CHARACTERISTICS / ADVANTAGES

- Easy to mix and apply
- Components of different colours to ensure thorough mixing
- Convenient 1 to 1 mixing ratio
- Excellent adhesion
- Can be applied to damp surfaces
- Ideal for vertical and overhead applications
- High abrasion resistance
- Can be smoothed off with water

PRODUCT INFORMATION

Chemical Base	Epoxy Resin
Packaging	250ml, 500ml and 1litre
Colour	Component A: white Component B: Light Brown Components A+B mixed: Beige
Shelf Life	12 months from date of production
Storage Conditions	Store in original, unopened, sealed and undamaged packaging in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight.

Density	1.7kg/litre (mixed)
Compressive Strength	50.0Mpa at 16 hours (23°C) 80.0Mpa at 14 Days (23°C)
Tensile Adhesion Strength	Concrete: 2-3N/mm ² (concrete failure) Steel: 9N/mm ²

APPLICATION INFORMATION

Mixing Ratio	1:1 by volume: A component is to B component
Ambient Air Temperature	Min. 5°C – Max. 35°C.
Relative Air Humidity	80%
Dew Point	Substrate temperature must always be at least 3°C above the dew point.
Substrate Temperature	Min. 5°C – Max. 30°C.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The concrete substrate, must be sound and of sufficient compressive strength (min. 20 N/mm² (MPa) with a minimum pull off strength of 1.5 N/mm² (Mpa)).

SUBSTRATE PREPARATION

Requirements:

Substrate must be sound, clean, free from oil and grease, old coatings and surface treatments, etc.

Pre-treatment for good bond:

Concrete, mortar, stone should be thoroughly prepared by high pressure water jetting or mechanical means such as grinding, chiselling etc. Cracks must be cleaned to remove dust with compressed air.

MIXING

Proportion equal amounts by volume of both components into a suitable, clean mixing container. Depending on the volume, mix thoroughly using a large spatula or a slow speed drill (set at 400 - 600 rpm) with a clean, rust free, mixing paddle until the two components are evenly blended to a uniform colour (minimum 3 minutes). Use immediately.

LIMITATIONS

Do not thin with solvents.

Freshly applied Sikadur® AP should be protected from damp, condensation and water for at least 12 hours.

Concrete should be a minimum of 28 days old.

Only mix sufficient material that can readily be used within its pot life.

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BASIS OF PRODUCT DATA

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY HEALTH AND SAFETY

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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