

Product Data Sheet
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Identification no:
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Sikadur®-AP

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All purpose epoxy adhesive paste

Product Description	Sikadur®-AP, is an all purpose, two component, epoxy paste adhesive.
Uses	<p>Sikadur®-AP, is used for general bonding and patching of a wide variety of materials such as:</p> <ul style="list-style-type: none"> ■ Brick ■ Concrete ■ Wood ■ Asbestos ■ Ceramics ■ Metal
Characteristics / Advantages	<ul style="list-style-type: none"> ■ 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
Tests	
Approval/Standards	
Product Data	
Form	
Appearance/Colours	<p>Paste Part A: White Part B: Light brown Part A+B mixed: Beige</p>
Packaging	250ml, 500ml, 1 litre and 5 litre kits
Storage	
Storage Conditions / Shelf-Life	12 Months in original, unopened container. Store in a dry area between 5°C and 30°C. Protect from direct sunlight.



Technical Data

Chemical Base Filled Epoxy Paste

Density 1,7 kg/litre (Mixed)

Mechanical Properties

Compressive Strength 50.0MPa @ 16 Hours @ 23°C 80.0MPa @ 14 Days @ 23°C

Bond Strength Concrete: 2-3 N/mm² to (concrete failure)
Steel: 9 N/mm² to steel

Application Details

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 / Priming Requirements:
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.

Application Conditions / Limitations

Substrate Temperature Min. 5°C – Max. 30°C.

Ambient Temperature Min. 5°C – Max. 35°C.

Substrate Humidity < 4 %

Relative Air Humidity 80 %

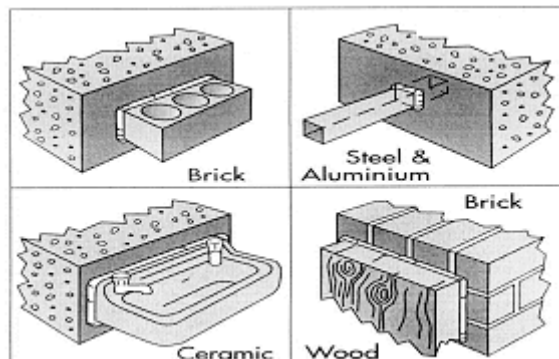
Dew Point Substrate temperature must always be at least 3°C above the dew point.

Application Instructions

Mixing (Ratio/Dosage) 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.**

Application Method / Tools Sikadur[®]-AP can be applied by trowel, putty knife, notched trowel or rubber gloved hand. On damp surfaces ensure that the material is worked into the surface to displace surface moisture.

Typical Applications



Cleaning of Tools Remove uncured Sikadur[®]-AP from tools with Kwiklean[®], water-soluble solvent immediately after use. Cured material can only be removed mechanically.

Pot Life 1 Litre by volume
~40 minutes at 25°C

Waiting Time / Overcoat ability

Notes on Application / Limits

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.

Curing Details

Curing Treatment

Practical cure: 5 hours at 25°C

Value Base

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.

Health and Safety Information

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.



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