Construction

Sikafloor®-HS (au)

High Solids Epoxy Coating for Concrete Floors

Description	Sikafloor-HS (au) is a high solids, heavy duty protective and decorative epoxy resin coating with excellent sag resistance.
Uses	Sikafloor-HS (au) is used on surfaces where cleanliness and hygiene are important in places such as: • Production and storage areas. • Car parks and garages. • Underground car parks. • Food preparation industry. • Factories and manufacturing plants. • Warehouse and storage facilities. • Dairy manufacturing and processing plants. • Application on variable surfaces.
Advantages	• Protective and decorative. • Easy to apply with brush, roller or spray. • Long pot life. • User friendly 1 : 1 by volume mixing ratio. • Good chemical resistance. • Excellent durability. • Wide range of colours. • Anti skid textured finish. • Good abrasion resistance. • Good sag resistance.
Storage & Shelf Life	Sikafloor-HS (au) stored in the original unopened containers within the temperature range of +5ºC to +35ºC will keep for at least three (3) years.

Instructions for Use

Surface Preparation	The substrate must be sound, dry, (maximum moisture content 4%) free from dust and any surface contaminants (eg: oil, grease, fats, chemicals, rust, paint, form release and curing membrane residues, etc.) Blow holes or irregularities should be filled and the substrate levelled with appropriate Sikafloor or Sikadur mortars prior to application of Sikafloor-HS (au). Cement based substrates (other than EpoCem) should be at least 3-4 weeks old and should be checked to ensure the moisture content is below 4% before placement of Sikafloor-HS (au). Where the substrates have a moisture content above 4% they should be sealed with a 2mm thick coating of Sikafloor-81 EpoCem. This will allow the application of Sikafloor-HS (au) to proceed on damp or new concrete surfaces. Steel substrates should be prepared by abrasive blast cleaning to a standard equivalent to S.A.2.5.
Mixing	Initially, thoroughly stir the component A (resin) and add the pigment pack. Mix in all of the hardener (Component B) thoroughly with a low speed drill or windmill stirrer. Mix so as not to entrap air into the product and continue mixing for at least 3-5 minutes. Only mix the material that can be used within the pot life.
Application	Sikafloor-HS (au) can be applied using a brush or a roller. Application of the first coat (and possibly the second coat) should be carried out when the substrate temperature is falling to avoid the possibility of bubbling and to improve penetration into the substrate pores. The first coat may be diluted with Thinner 15 to a maximum of 10% by volume to ensure maximum penetration if the substrate is very dense. The first coat will be touch dry (approx. 5-6 hours @ 15ºC). Additional undiluted coats may be applied.

Construction

Cleaning	Clean all tools and equipment immediately after use with Sika Colma Cleaner or Thinner 15. Hardened material can only be removed mechanically.

Technical and Physical Data

Form	Part A: unpigmented thixotropic liquid Part B: beige thixotropic liquid
Density	Mixed 1.48 kg/litre approx.
Consumption Coverage	5-7m²/litre/coat to give 150 microns dry film thickness
Intercoat Period	Min. 16 hours at 25°C Max. 36 hours at 25°C
Solids Content	85% approx. by volume
Number of Coats	2 normally recommended
Potlife	4 hours at 15ºC 2 hours at 25ºC
Maximum Relative Humidity	85% during cure
Application Temperature	+10ºC Minimum +35ºC Maximum
Mixing Ratio	1 : 1 by volume (Part A + pigment pack : Part B)
Film Thickness per coat	150 microns/coat (minimum 2 coats recommended)
Cure Time	7 days at 25ºC
Walk Over Time	48 hours (light traffic)

Packaging	Part A (Unpigmented)	2.9 litres	5.8 litres
	Part B (Hardener)	3.6 litres	7.2 litres
	Pigment pack (1.15 kg)	0.7 litres	1.4 litres
	Total	**7.2 litres**	**14.4 litres**

Colour	Pigments available in the following standard colours: (see colour selection guide). Beige RAL1001, Light Grey RAL7035, Dusty Grey RAL7037, Oxide Red RAL3009, Koala Grey N45, for other RAL colours consult our Technical department.

Important Notes

- Always ensure good ventilation when using Sikafloor-HS (au) in a confined space since evaporation of solvents, although not dangerously toxic, may cause coughing or general irritation.
- Sikafloor-HS (au) is flammable. NO NAKED FLAMES.
- Silica aggregates can be sprinkled on to Sikafloor-HS (au) to form a non-slip surface. Details of this application are available from our Technical Department.
- Freshly applied coatings should be protected from damp, condensation and water for at least 7 days at 20ºC.

Construction

Important Notes (continued)

- The substrate temperature must be above 10ºC for curing and should be at least 3°C above the dew point.
- Not to be applied to moist substrates (max. 4% moisture content) unless previously treated with EpoCem.
- It is essential that the indicated potlife limits are strictly observed. Do not use after 6 hours even if the mix is still liquid.
- As is common with most epoxy coatings, Sikafloor-HS (au) will yellow and then chalk on exposure to UV radiation (sunlight). For outside application it is recommended to over coat with Sikafloor-PU coating.
- Thinner 15 is only to be added to the product after mixing Parts A and B.

Handling Precautions

- Avoid contact with the skin, eyes and avoid breathing it's vapour.
- Wear protective gloves when mixing or using this product.
- If poisoning occurs, contact a doctor or Poisons Information Centre.
- If swallowed, do NOT induce vomiting. Give a glass of water.
- Provide adequate ventilation when using this product.
- If skin contact occurs, remove contaminated clothing and wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.
- FLAMMABLE LIQUIDS CLASS 3.2.
- A full Material Safety Data Sheet is available from Sika on request.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.