SAAK ساك
كيماويات البناء



Saaktop EP SL

Flow applied, 5 mm thick epoxy resin based floor topping

DESCRIPTION :

Saaktop EP SL consists of graded aggregates bound in a pigmented epoxy resin binder. It is supplied as a four component system, preweighed for on-site mixing. When laid, it provides a smooth, light-reflective surface.

ADVANTAGE :

- Fast application - minimises downtime.
- Chemically resistant - good resistance to a wide range of chemicals.
- Durable - good abrasion resistance.
- Hygienic - provides a dense, impervious, seamless floor surface which is easily cleaned.
- Attractive - available in a wide range of colours to enhance the working environment.

USES:

Saaktop EP SL is designed for use in a wide range of light industrial environments where a lasting solution to floor maintenance problems is required. It provides a dense, impervious, colored and chemically resistant floor surface which is hygienic and easy to clean. Typical applications include clean rooms, laboratories, plant rooms and light industrial plants.

TECHNICAL DATA :

Pot life	@ 10°C	@ 25°C	@ 35°C
Saaktop EP SL2	2 hours	1 hour	20 mins
Saakprime 250	7-8 hrs	3-4 hrs	1-1.5 hrs
Saakprime 300	3-4 hrs	1-1.5 hrs	10-30 min
Saakprime 310	5-6 hrs	1.5-2 hrs	30-60 min
Physical properties	@ 20°C	@ 35°C	
Compressive strength 7 Days	80 N/mm²	80 N/mm²	
Tensile strength 7 Days	37 N/mm²	37 N/mm²	
Flexural strength 7 Days	25 N/mm²	25 N/mm²	
Cure time Foot traffic: Vehicular traffic: Chemical:	24 hours 48 hours 7 days	16 hours 36 hours 4 days	
Modulus of Elasticity	5200		
Skid Resistance	Safe when Dry		
BS4247, Part 1 Nuclear Decontamination Parts A & B	Both Parts Rating Good		

DESIGN CRITERIA:

Saaktop EP SL is designed for application at a nominal thickness of 5 mm. Substrates should be dry and not suffer, or be likely to suffer, from rising damp. If necessary, suitable damp-proof membranes should be installed to prevent this. Substrates should not have a relative humidity greater than 75% at the time of installation.

COIORS :

Saaktop EP SL is available in 6 standard colors: Brick-Red, White, Sage Green, Off White, Buff, Silver Grey, Dark Grey.

PROPERTES :

The values given below are average figures achieved in laboratory tests. Actual values obtained on site

CHEMICAL PROPERTIES :

Saaktop EP SL has excellent resistance at ambient temperatures to a wide range of industrial chemicals. Specific data is available on request. Note that it is especially important that spillage is cleaned up since very much higher concentration of chemicals may occur on evaporation.

MAINTENANCE :

The service life of a floor can be considerably extended by good house keeping. Regular cleaning may be carried out using a rotary scrubbing machine with a water miscible cleaning agent at temperatures up to 50°C.

TECHNICAL DATA SHEET -Saaktop EP SL

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APPLICATION :

Saaktop EP SL should be applied by specialist contractors who must follow the procedures laid down in the Product Application Guide. SAAK works with a network of such applicators that have been trained in the correct installation procedures. The following steps are involved in the application which would normally take place over a 2 to 3 day period. Thoroughly prepare the floor surface. Correct surface preparation helps to achieve the necessary adhesive bond between the substrate and the new floor. All existing expansion or movement joints should be followed through the new floor surface. Joints should be cleaned and prepared. Apply Saakprime 250, or SAAKprime 310 and allow to cure for 8 to 24 hours at 20°C or 4 to 16 hours at 35°C. Apply theSaaktop EP SL topping. The material is poured on to the primed surface and spread with a steel trowel to achieve a 5 mm seamless topping. Using a spiked roller, remove air entertainment and allow to cure. Install the most appropriate joint sealant. This will depend on the anticipated movement accommodation factor and the end use of the new floor. The product can be applied to mild steel substrates provided that the steel is thoroughly cleaned so that all corrosion deposits and other contaminants are first removed and the prepared surface is treated with a single application of primer. Installation times will vary according to site conditions and the size of the area involved.

CLEANING :

Saaktop EP SL should be removed from tools and equipment with Solvent immediately after use. Hardened material can only be removed mechanically.

LIMITATIONS :

Saaktop EP SL should not be applied on to surfaces known to or likely to suffer from rising damp conditions or have a relative humidity greater than 75% as measured in accordance with BS8203 Appendix A or by a Vaisala thermo hygrometer type HMI 31.

CHEMICAL PROPERTIES :

Saaktop EP SL should not be applied to asphalt, weak or friable concrete, unmodified sand cement screeds, PVC tiles or sheet or substrates known to move substantially e.g. steel walkways. Saaktop EP SL should not be installed at temperatures below 10°C or above 35°C. Estimating

SUPPLY :

Colour pack	2 pots per pack
Total Pack (Base, Hardener, 15 Litre packs (Filler, 2 color packs	
Saakprime 250	4 or 1 Litre packs
Saakprime 300	4 or 1 Litre packs
Saakprime 310	4 or 1 Litre packs

COVERAGE :

Saaktop EP SL	7.5 m / pack @ 5 mm thickness

The coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced. Typically, an additional 10% should be allowed for surface irregularities and wastage although this will vary with site conditions.

SHELF LIFE :

All products have a shelf life of 12 months if kept in a dry store in the original, unopened packs.

STORAGE CONDITIONS:

Store in dry conditions between 5 °C and 30°C, away from sources of heat and naked flames, in the original, unopened packs. If stored at high temperatures the shelf life may be reduced.

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HEALTH AND SAFETY :

Saaktop EP SL, should not come into contact with the skin and eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves and eye protection.

FIRE :

Saaktop EP SL, non-flammable.

DISPOSAL :

Spillages of component products should be absorbed onto earth, sand or other inert material and transferred to a suitable vessel. Disposal of such spillages or empty packaging should be in accordance with local waste disposal regulations. For further information, refer to the Product Material Safety Data Sheet.

ADDITIONAL INFORMATION :

SAAK produce a wide range of products specifically designed for the specialist flooring industry. These include liquid- applied, chemically-resistant coatings, self-levelling epoxy toppings and trowel- applied, highly abrasion resistant screeds. Among them, are products suitable for use in the food and drinks industry, the pharmaceutical industry and in areas subjected to heavy industrial use. Where the control of static electricity is an important consideration,. This includes joint sealants, waterstops, waterproofing membranes and specialised products for the repair and refurbishment of damaged reinforced concrete.

SAAK also provides various technical information such as CAD details, detailed method statements, specifcation clauses, application manuals, product selectors and technical support both in contractors and consultants o ces as well as construction sites.For further information on these products and systems kindly check our website or contact your local SAAK representative.

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