

Technical Data Sheet

StoPox EPS GP

Three-components, solvent-free,
general purpose epoxy screed

Characteristics

Functionality	<ul style="list-style-type: none"> • High compressive strength • Extremely hard wearing with exceptional resistance to both impact damage and abrasion • Resistance to many household and industrial chemicals • Solvent-free and hence low odour • Non-dusting and slip resistant • Low maintenance, easy to clean • Speedy installation • Seamless finished • Available in pigmented formulation
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Application	Spread with rake screed bar or trowel compact and finish with trowel or power-float.
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Area of use

- Heavy engineering industry
- Warehouses
- Loading and Unloading bays
- Carparks and Ramps
- Workshops
- General areas of high mechanical loading

Technical data

Data	Criteria	Test Standard	Value	Unit
	Density @ 23°C		2.0	g/cm ³
	Compressive strength		80	N/mm ²
	Flexural strength		25	N/mm ²
	Tensile strength		6	N/mm ²
	Adhesion pull-out strength		>1.5	N/mm ²
	E Modulus		2.4 x 10 ⁴	N/mm ²

The values stated are average values. Due to the use of natural raw material in our products, the actual value determined on an individual delivery may deviate slightly, without compromising product suitability.

Application

Substrate preparation	<p>A) Concrete Surface to be treated must be dry, sound and free from any contaminants. Concrete floors are best prepared by blasting (light sand-blasting or vacuum-blasting), scabbling or grinding. Ensure all dust and debris are removed prior to laying StoPox EPS GP.</p> <p>B) Steel Steelwork should be grit-blasted to Swedish Standard SA2½ or local equivalent.</p>
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Material preparation

StoPox EPS GP is supplied in pre-weighed and blended units.
 Stir the base (Part A) and hardener (Part B) thoroughly until uniform.
 Pour the entire contents of the hardener and base into a forced action mixer and mix thoroughly until homogeneous.
 Add the total contents of the filler (Part C) while still mixing.
 Continue mechanical mixing until all components are thoroughly blended for about 4 - 5 minutes.
 Administer the mixed product within the stipulated working life. Note: Do not partial mix.

Coating procedure

Priming

A) Concrete
 All surfaces must be primed using StoPox GH 205 / StoPox IH BV prior to application of the mortar screed.
 Apply in a continuous film using a brush or roller at a coverage rate of approximately 200 - 300g/m² depending on the porosity of the concrete.

B) Steel
 Immediately after grit-blasting, apply two coats of StoDivers RustPruf at a coverage rate of approximately 200 - 250g/m² per coat.
 Sprinkle the second coat immediately after application with 200g/m² of selected silica sand.
 Cured the second coat for 24 hours before application of StoPox GH 205.

Placing

The mixed mortar screed must be placed immediately onto the primed concrete surface whilst the primer is still wet.
 Spread the mortar to the desired thickness using a rake screed bar or trowel.
 Compact the mortar with a wooden float and finished to an even surface using hand trowel or power-float.

Sealing

Within 24 hours, to avoid the collection of dirt and dust, sealed the surface with suitable Sto Sealer.
 Apply using a brush, roller or squeegee in 1-2 coats.

Working life

At 20°C approx. 3 hours
 At 30°C approx. 1.5 hours

Curing time

At 25°C
 Open to traffic 24 hours
 Full cure 7 days

Consumption

The coverage rate is approximately 10kg/m² at 5mm thick. Actual consumption will vary on nature of substrate and conditions on site.

Application temperature

Minimum application temperature +8°C
 Maximum application temperature +45°C

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Cleaning of tools Tools must be cleaned immediately after use with thinner.

Delivery

Colour Light Ivory, Pastel Blue, May Green, Sage Green, Emerald Green, Dark Grey, Silver Grey, Red Oxide

Packing StoPox EPS GP is available in 36kg set.

Storage

Storage life/conditions The shelf life of StoPox EPS GP is approximately 12 months if stored in cool dry conditions.

Special notes

Safety Precautions After full curing, StoPox EPS GP is physiologically harmless. Keep the resin and hardener away from eyes, mouth and skin. Do not inhale vapour. Protective gloves should be used when handling these product. If skin contact with resin occurs, cleaned immediately with soap and plenty of water. DO NOT use solvent. The use of goggles is recommended, however, should accidental eye contamination occur, rinse thoroughly with plenty of clean running water and seek medical treatment immediately.

Technical Support Please consult Sto Technical Service Department or the local sales office for further information and any site assistance required.

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