SAAK سـاك
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SAAK Epoxy Strong Coat 520

High Chemical Resistant Solvent free epoxy productive coating

DESCRIPTION :

SAAK Epoxy strong coat 520 is a two component 100% solid, epoxy coating suitable for concrete and steel protection in aggressive chemical conditions like industrial pavements, reinforced concrete, metallic structures, process plants and sewage works. Once it is cured, the product transforms into a continuous anti dust membrane that is resistant against chemicals, and abrasion.

ADVANTAGE :

- Excellent adhesion to concrete steel, wood, stoneware, etc.
- High chemical and abrasion resistance
- Easy applied by brush, roller or spray
- Acts as a protective and waterproof coating
- Ecofriendly, low VOC

USES:

- Chemical and abrasion resistant coating for floors, walls, and storage tanks (metallic or concrete).
- Ideal for seawater tanks, sewage works, manholes, and pipe linings.
- Smooth, easy-to-clean surface suitable for wet rooms, abattoirs, dairies, and agricultural buildings.

TECHNICAL DATA :

Appearance	Liquid coating
Color	Various
Density at 25°C	1.54 kg/L
Dry residual	100%
Pot life time at 25ºC	100 min @ 25° c 40 min @ 25° c
Adhesion Strength at 7 days (ASTM D4541)	40 N/mm²
Compressive Strength at 7 days (ASTM C579)	75 N/mm²
Flexural Strength at 7 days	>25N/mm²
Tensile Strength	20 N/mm²

SURFACE PREPARATION :

Substrate must be clean, dry, rough, and free from grease or weak layers.

Mechanical methods (grinding/blasting) are recommended for proper adhesion.

Repair defects with SAAK epoxy mortars before application.

New concrete: minimum 28 days old, moisture ≤ 5%.

Old floors: mechanically refurbished to sound substrate.On existing epoxy, test adhesion first; if weak, remove the old coating before applying SAAK Epoxy Strong Coat 520.

MIXING :

SAAK Epoxy strong coat 520is composed of two components that are mixed at
the moment of use. Pour component B (hardener) into component A (resin) and
mix carefully with a drill at low number of turns (200-300 turns per minute), till
obtaining a homogeneous consistency

APPLICATION :

SAAK Epoxy strong coat 520 mixture with a brush or roller in two crossed coats at
a rate of 4-5 m² / liter per coat. The first coat is applied to achieve a uniform
coating with minimum wet coat thickness of 200 microns. The second coat can
be applied after making sure that the first one is completely dry and within
maximum time of 24 hours from first coat application. The two coats must achieve
minimum thickness of 400 microns

TECHNICAL DATA SHEET -SAAK Wall Guard S97

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PRIMING:
SAAK Epoxy strong coat 520 is designed to be applied over well-prepared steel
and concrete substrates directly without a primer,

CLEANING :
DAll tools used in the preparation and application of SAAK Epoxy strong coat 520
must be cleaned with SAAK Solvent before hardening. Hardened material should
be removed mechanically.

SHELF LIFE:
@ 30ºC 18 months, in original sealed container, with proper storage conditions.

COVERAGE :
4-5 m^2 / liter per coat at 200 microns (wft) according to the porosity of the
substrate.

STORAGE :
Keep in tightly closed containers and in sheltered and dry place. Shelf life is 12
months if stored as recommended.

PACKAGING :
20 kg (rice 17 kg) (weld 3 kg)

HEALTH AND SAFETY :
- As a general safety measure, inhalation of solvent vapours or paint mist and contact of liquid paint with skin & eyes, should be avoided. Forced ventilation should be provided when applying paint in confined spaces or stagnant air. Even when ventilation is provided, respiratory, skin and eye protection are always recommended when spraying paint.
- Please refer our Material Safety Data Sheet prior to using the product.
- This as industrial product, contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed

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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