SAAK ساك
كيماويات البناء

SAAK EPOXY TANK S410

High preformance epoxy



DESCRIPTION :

An epoxy coating of high quality, solvent-free, composed of two components, specifically designed for lining tanks, free of solvents, particularly noted for its excellent rust resistance.

ADVANTAGE :

-Safe and suitable for drinking water tanks and food materials.
-Excellent water resistance.
-Long lifespan.
-Smooth, glossy, and easy to clean.
-Excellent resistance to shocks and rust.

USES:

-Warehouses
-Garages
-Workshops
-Industrial facilities
-Showrooms
-Clean rooms and laboratories

TECHNICAL DATA :

Density	1.71 at a temperature of 25°C, (varies slightly from color tocolor)
Viscosity	110 Cres units at 25 degrees
coverage	2-2.5 m² / 1 kg / 0.40 mm layer thickness by rollerroller.
Adhesion strength	Passing ASTM D-2259
Drying time	- Surface drying: 3 hours. - Complete drying: 6 hours. - Mixture validity after mixing: 30 minutes. - Tank filling drying period: 7 days. (The drying time depends on temperature and humidity)
Diluent	Thinner
Dilution ratio	Ready to use without dilution
Color	Blue - white

INSTRUCTIONS FOR USE

SURFACE PREPARATION :

All surfaces must be clean, dry, and free from oil, grease, dust, rust, and any contaminants that may affect adhesion.For steel surfaces, abrasive blasting to Sa 2½ standard (ISO 8501-1) is recommended to achieve a surface profile of 50–75 microns.For concrete or masonry, surfaces should be fully cured, and mechanically prepared by grinding or scarifying to remove laitance and create an open-pore surface. Any surface defects must be repaired with suitable materials.The substrate must be completely dry, and no moisture or condensation should be present at the time of application.

MIXING :

SAAK EPOXY TANK S410 is supplied in two reweighed packs (Component A – Base and Component B – Hardener) which are ready for immediate in-situ use. Stir in both components before use. Transfer the entire contents of component B (Hardener) into the component A (Base) can and mix with low speed drill and paddle (200 – 300 rpm) for 2-3 minutes till obtaining a mix with uniform consistency. Scrape the sides and bottom of the can during mixing to ensure homogeneity.is supplied in two reweighed packs (Component A – Base and Component B – Hardener) which are ready for immediate in-situ use. Stir in both components before use. Transfer the entire contents of component B (Hardener) into the component A (Base) can and mix with low speed drill and paddle (200 – 300 rpm) for 2-3 minutes till obtaining a mix with uniform consistency. Scrape the sides and bottom of the can during mixing to ensure homogeneity.

APPLICATION :

The substrate recommended to be treated with SAAK PRIMER 104, a synthetic resin, high penetrating primer. SAAK Primer 104 should be applied by brush or roller on to the cleaned surface area , The primer should be left to achieve a tack-free condition before applying the top coat.

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CLEANING :

Tools and equipment should be cleaned with SAAK Solvent immediately after use. Hardened material should be removed mechanically. Spillages should be absorbed with sand or sawdust and disposed of in accordance with local regulations.

SHELF LIFE:

Store in an isolation room in a protected, dry place at a temperature between 5 and 35°C. Shelf life is 18 months from the date of production, subject to continued temporary storage.

COVERAGE :

Approximately 2.0 to 2.5 m² per 1 kg at a layer thickness of 0.40 mm, when applied by roller.
Coverage may vary depending on surface porosity, application method, and ambient conditions.

FINISHING :

Produces a smooth, high-gloss, transparent finish with excellent durability and chemical resistance, ideal for protecting and enhancing concrete surfaces.

PACKAGING :

SAAK 20 kg (rice 17 kg) (weld 3 kg)
SAAK 15 kg (rice 12.75 kg) (weld 2.25 kg)
SAAK 10 kg (rice 8.6 kg) (weld 1.4 kg)
SAAK 4 kg (rice 3.4 kg) (weld 0.6 kg)

CHEMICAL RESISTANCE :

Fully cured SAAK EPOXY TANK S410 samples have been tested in a wide range of aggressive chemicalscommonly found in industrial environments. Tests were performed in accordance to ASTM D543 standards over 7 days at +25°C

HEALTH AND SAFETY :

Ensure adequate ventilation during application and drying.Avoid contact with skin and eyes. In case of contact, wash immediately with plenty of water.Wear suitable protective clothing, gloves, and eye/face protection.Do not inhale vapors or spray mist. Use appropriate respiratory protection if ventilation is insufficient.

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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