



SAAK EPOXY ARMOR 632

High performance Solvent free epoxy

DESCRIPTION :

SAAK Epoxy Armor 632 is a two components solvent free epoxy system consisting of a colored base resin, hardener. It is suitable for chemical protection coverings of industrial pavements, Medical flooring, reinforced concrete and metallic structures.

ADVANTAGE :

- Solvent free and odorless
- Durable and low maintenance cost
- Excellent resistance to a wide range of chemicals
- High mechanical strength, with excellent abrasion resistance
- Excellent adhesion to the substrate. Bonding strength is greater than cohesive strength of concrete
- Less labor cost to achieve the required thickness (250 microns per coat)

USES:

- SAAK Epoxy Armor 632 is an ideal system for heavy duty floor coating such as:
- Warehouses
 - Chemical manufacturing plants
 - Car parks and workshops
 - Medicals and Dairies Production area
 - Soft drinks and General Food production area
 - Laboratories, loading docks ramps

TECHNICAL DATA :

Hydrochloric Acid (20%)	Resistant
Sulphuric Acid (20%)	Resistant
Sodium Hydroxide (50%)	Resistant
Ammonia (10%)	Resistant
Petrol	Resistant
Oil	Resistant
Kerosene	Resistant

INSTRUCTIONS FOR USE

SURFACE PREPARATION :

Concrete Substrates The surface of the concrete to be prepared shall be sound, clean and uncontaminated. This preparation shall be such as to leave a sound exposed concrete surface free from dust, loose particles and any deleterious matter. If the concrete surface is defective or has laitance, it must be cut back to a sound base. Excess laitance deposits are best removed by light mechanical scrubbing, grinding or grit/captive blasting followed by vacuum cleaning to remove dust debris. New concrete or cementitious surfaces should be allowed to cure and have moisture content not exceeding 5%. Old or existing floor should be refurbished mechanically to

MIXING :

SAAK Epoxy Armor 632 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 12 months from the date of production, subject to continued temporary storage.

COVERAGE :

Approximately 3.5 - 4 m²/kg per coat, depending on surface porosity and application method. SAAK 12 kg set: covers approx. 42 - 48 m² per coat. SAAK 3 kg set: covers approx. 10.5 - 12 m² per coat. SAAK 1.6 kg set: covers approx. 5.6 - 6.4 m² per coat. Actual coverage may vary depending on surface condition and application technique.

FINISHING :

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

PACKAGING :

SAAK 22.35 kg (resin 19 kg) (hardener 3.35 kg)
SAAK 4.25 kg (resin 3.5 kg) (hardener 0.75 kg)

CHEMICAL RESISTANCE :

Fully cured SAAK Epoxy Armor 632 samples have been tested in a wide range of aggressive chemicals commonly 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, specification clauses, application manuals, product selectors and technical support both in contractors and consultants offices as well as construction sites. For further information on these products and systems kindly check our website or contact your local SAAK representative.

