



ROKSO CONCRETE BOND

PRODUCT CODE : 803

PERMANENT EPOXY ADHESIVE FOR BONDING INTERNAL & EXTERNAL CONCRETE

SPECIFICATION

ASTM C881 Type 2, Grade 2, Class B & C TYPE

DESCRIPTION

ROKSO CONCRETE BOND is a permanent epoxy adhesive for internal or external bonding of renderings, granolithic toppings, and concrete to concrete. The ultimate bond strength is greater than the tensile strength of concrete. **ROKSO CONCRETE BOND** does not shrink and provides an even and stress-free bond.

USES

ROKSO CONCRETE BOND may be applied to clean, sound and durable surfaces, concrete to concrete floors, beams, columns, slabs, etc. Before placing new fresh concrete. Also to smooth and worn granolithic pavings, old and worn concrete, engineering and semi-engineering bricks.

ADVANTAGES

- ❖ High Strength
- ❖ Non Shrink
- ❖ Durable
- ❖ Resistant to chemical attack
- ❖ Supplied in pre-weighed units
- ❖ Solvent less epoxy.

TYPICAL PROPERTIES

- ❖ Colour: Pale Yellow
- ❖ Specific Gravity: 1265 at 25°C
- ❖ Flashpoint: 200°C
- ❖ Pot Life: Approx 1 hour
- ❖ Tack Free Time: Within approx. 6 hours
- ❖ Full Cure: 7 days.

DIRECTIONS FOR USE

Preparation: All surfaces must be thoroughly cleaned and prepared. All loose particles, Laitance, dust, curing, compounds, floor hardners, oil, grease, fat, bitumen and paint must be removed if good bond strength is to be achieved. Gloss surfaces must be abraded. If oil or grease are present, scrub surface with hot detergent water and rinse thoroughly. Where the concrete surface is badly disintegrating, the degraded areas should be removed by chipping, grit blasting, or scabbling until a sound base is obtained. Remove loose particles and prepare as above. All laitance that has not been worn away should be removed by mechanical scarification, sandblasting, or by acid etching. Visible signs of mould growth, lichen, or algae, should be removed and treated with a fungicidal wash. New concrete should have been cured until the shrinkage and moisture movement is low. Surfaces heavily impregnated with mould oil should be degreased and sandblasted or mechanically scarified to remove the contaminated surface. All curing compounds should have disintegrated or be removed and application carried out only over a clean, dust free surface.

MIXING

Carefully transfer the entire contents of the smaller container of REACTOR COMPONENT to the large BASE COMPONENT container and thoroughly mix, using a stout, palette knife or a slow running drill with a paint mixing paddle until uniformity is achieved. This normally takes about three minutes. Do not attempt to mix part of the contents. Do not attempt to thin **ROKSO CONCRETE BOND**.

NOTE: HEAT IS GENERATED AFTER MIXING ROKSO CONCRETE BOND AND THE CAN MAY BECOME TOO WARM TO HOLD.

GUIDE TO APPLICATION

The material is ready to use 3 to 4 minutes after mixing. As the pot life is limited work should proceed quickly. **ROKSO CONCRETE BOND** is applied evenly across the whole surface with a clean, short haired paint brush or a laying-on trowel. The contents of the can must be used within 45 minutes of mixing. On horizontal surfaces, lay the screed immediately after applying **ROKSO CONCRETE BOND**. Rendering over 6mm thick should be built up in several layers. If it is necessary to employ shuttering, line the shuttering with polythene.

RENDERINGS AND SCREEDS

Once the **ROKSO CONCRETE BOND** has been applied recognized methods of working may be adopted. It is essential that granolithic paving and sand cement renders and screeds are cured. This can be achieved by curing with a fine spray of clean water and polythene sheeting. Failure to observe these precautions may cause the render or screed to crack and craze.

TEMPERATURE

Since low temperatures retard the setting and curing of **ROKSO CONCRETE BOND** avoid working in cold weather in cold weather if possible. Although **ROKSO CONCRETE BOND** cures slowly at low temperatures, a temperature of 7°C-10°C can be considered to be the lowest at which work on vertical rendering may proceed satisfactorily without shuttering.

COVERAGE

30 to 40 sq.ft. per kg.

PACKING

ROKSO CONCRETE BOND is supplied in 1 kg. & Bulk packings.

SHELF LIFE

upto 6 months when stored as recommended.

**Manufactured in INDIA by
ROKSO INDIA PRIVATE LIMITED**

AN ISO 9001 : 2008 CERTIFIED COMPANY

**ADMN.OFFICE: M-2/3, ALI PLAZA, NEXT TO FLY OVER BRIDGE, VARTAK ROAD, VIRAR (WEST) DIST : PALGHAR - 401303 MS
REGD OFFICE : 202,MADHUVAN,SHRI KRISHNA COMPLEX,NR.SHRIRAM NAGAR,VIVA COLLEGE RD,VIRAR(WEST) DI :PALGHAR -401303 MS
E-MAIL : info@roksoindia.com / WEB SITE : www.roksoindia.com**

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