

### DESCRIPTION

Romabond is a premium quality, single component, polymer modified, cement-based slurry with excellent bonding properties.

### USES

Romabond is used as a bonding layer between old and new concrete surfaces and for bedding and bonding overlays to existing surfaces. Romabond is suitable for interior as well as exterior applications and for on-grade and above-grade applications.

### ADVANTAGES

- Superior adhesion to concrete and mortar.
- Excellent adhesion to non-porous surfaces
- Easy to use - just add water.
- Easy clean up with water.
- Highly versatile; can be applied by brush, trowel, hopper gun, or squeegee.

### COVERAGE

Coverage will vary depending on substrate surface profile and porosity, required depth of installation, surface finish and preparation method. Dominant coverage rate is approximately 20 square meters per 35 kg bag at 2 mm thickness.

### PHYSICAL PROPERTIES

Test	Criteria	Result
Tensile Adhesion (EN 12808- 3:2002)	-	2.1 N/mm <sup>2</sup>

### LIMITATIONS

Romabond must be applied over structurally sound and non-moving surfaces. Do not apply in areas subject to hydrostatic pressure or continuous water immersion. Existing concrete surfaces must be fully cured prior to application of romabond. Romabond should not be applied in thicknesses greater than 3 mm in a single coat. It is highly recommended that applications of romabond be as thin as possible. Do not apply if ambient temperature is expected to drop below 7°C during installation or in the proceeding 48 hours, or if rain is expected in the proceeding 24 hour period after application. Do not mix or apply when ambient temperature is expected to exceed 35°C. Overlays must be applied on romabond while it is still tacky. Never apply any topping on a dry coating of romabond; application on a dried coating may lead to delamination of the overlay or top screed. In a dried condition, romabond acts as a bond retarder, not as a bond enhancer. If the romabond layer dries before it receives the overlay topping, apply a new thin coat of romabond.

### SURFACE PREPARATION

All bases must be fully cured, sufficiently rigid, and clean of any surface contamination such as oil, dirt, grease, coatings, curing compounds, and laitance that may prevent good suction. Dense, smooth surfaces, and those retaining excessive amount of form release agent can cause delamination from the base. Any painted or coated surfaces should be sandblasted and/or pressure washed to remove existing coatings. Use of detergents or soap is not recommended as they may

leave a film that can cause bonding failure. Surrounding areas should be covered and protected from material spills and equipment contact. Rope off work area, remove surrounding vehicles, and close off to traffic. Cracks should be corrected with crack filler; while potholes should be corrected with repair mortar.

## **MIXING**

Mixing should be done with a drill mounted jiffy-type mixer at low speeds. Always add clean potable water first. While mixing, slowly add the romabond powder and mix for approximately three minutes. Adjust consistency if necessary and mix for a further two minutes until a uniform lumpfree consistency is reached. The high polymer content in romabond allows for the consistency to be adjusted as desired by applicator. Use a fairly stiff mix when trowelling or dashing on, or a thinner mix when applying by brush. Mix only sufficient quantities that can be placed within 45 minutes.

## **APPLICATION**

Application temperatures should be between 5°C and 35°C. It is highly recommended to test a small area to ensure bonding ability and satisfaction of appearance before complete application.

As bonding agent: apply a thin coat of romabond using a stiff bristle brush ensuring that the material gets in contact with the profile of the substrate. Romabond thickness should not exceed 3 mm at any point. While still tacky, apply the new topping before the romabond layer dries. Do not allow romabond to dry. Never apply any topping on a dry coating of romabond; application on a dried coating may lead to delamination of the top screed. If the romabond layer dries before it receives the new topping, apply a new thin coat of romabond. As overlayment bedding & bonding: two coats are recommended: the first allowed to dry, and the second just prior to placement of the overlay material. First coat will level the profile of the substrate and promote uniform drying of the topping. Second coat will enhance the bond of the topping to substrate. Apply both coats of romabond as thin as possible using a squeegee. Romabond coat should not exceed 3 mm thickness in any single coat application. Overlay must be placed on the romabond coat while it is still tacky. Do not allow romabond to dry. Never apply any topping on a dry coating of romabond; application on a dried coating may lead to delamination of the overlay. If the romabond layer dries before it receives the new topping, apply a new thin coat of romabond.

## **CURING**

DO NOT WATER CURE. Romabond is self curing.

## **CLEANING**

Clean all tools and equipment promptly with warm water.

Storage & shelf life:

Keep material covered and off the ground to prevent exposure to moisture. Store in a dry, covered area away from direct sunlight. Under recommended storage conditions and when stored in original unopened packaging, expected shelf life is 12 months from the date of purchase.

## **SAFETY PRECAUTIONS**

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. CONTAINS CEMENT AND SILICA (QUARTZ).

Portland cement and silica based products present health hazards. May cause delayed lung injury (Silicosis). Irritating to eyes and skin. Use in adequate ventilation and do not breathe dust. Extremely fine material, always use a niosh/msha tc 21c approved dust mask when handling, especially during spray applications. Use neoprene gloves, safety goggles, and a dust mask when handling.

First aid: eyes – do not rub eyes, immediately flush with fresh water. Skin – wash with soap and water. Inhalation – if experience difficulty breathing or if inhaled, move to fresh air. If symptoms persist, seek medical attention.

## **PACKAGING**

35 kg bags.