Roka Seal C2

Two Component, Elastomeric, Cementitious Coating

Roka Seal C2 is a two-component acrylic modified cementitious system that forms a waterproof, flexible coating. The material is ideal for waterproofing and resurfacing concrete, masonry, and most other construction materials. The system requires only on site mixing and applied simply by stiff brush or roller.

Uses & Advantages:

- Bonds well with concrete and masonry substrates.
- Once fully dried, safe for use in contact with drinking water as it is non-toxic.
- Can be applied to damp substrates.
- Water vapor permeable.
- Easy application.

Fields of Application:

- Roofs.
- Concrete pipes.
- Swimming Pools.
- Fishponds.
- Tunnels.

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- Water Reservoirs.
- Tanking of basements.
- Lift pits.

Technical Information:

Color	Cement Grey
Mixed Density	1.8 g/m^3
Mixing Ratio by Weight (Powder:Liquid)	3:1
Pot Life	60 minutes at 25°C & 30 minutes at 40°C
Application Temperature	+10°C to +35°C
Touch dry	1-2 hours at 25°C
Recoat-able	4 hours at 25°C
Full Cure	7 days at 25°C
Adhesive Strength	2.5 N/mm^2
Tensile Strength	3.7 N/mm^2
Flexural Strength	10 – 12 N/mm^2
Toxicity	Non-toxic when cured
Shelf life	12 months
Storage	Store in a dry, no-frost & away from direct

	sunlight.

Surface Preparation:

All the surfaces must be sound, clean and free from any contaminants like oil, grease and laitance. All the previously applied coatings and formwork treatments must be removed that might cause hinderance in adhesion of Roka Seal to the substrate.

The surface should be prepared with abrasive blasting, or any other recommended mechanical methods and all the loose particles must be removed.

Mixing:

Start with a clean container to avoid contamination that can affect the adhesive's performance. Roka Seal comes in premeasured quantities. Do not split the kits and use all the material in a kit. Pour the liquid component into the mixing container. Slowly add Roka Seal C2 powder to the liquid while mixing with the slow-speed drill fitted with a paddle attachment. This prevents clumping and ensures even mixing. Continue mixing for 3-5 minutes until a smooth, lump-free consistency is achieved. Ensure the drill speed is low to avoid introducing too much air into the mixture. Let the mixed adhesive sit for about 5 minutes. This allows full saturation of the materials and improves the final consistency. After the resting period, remix briefly to restore the consistency before applying the adhesive.

Application:

Always apply Roka Seal C2 to a pre-dampened surface. High-suction substrates require more dampening than dense substrates. However, make sure there is no free-ponding water. Apply by brush or broom. Mixed material must be used within 30 -45 minutes, or less under hot weather conditions.

First Coat: Brush or broom the mix firmly onto the pre-dampened, prepared surface. Care must be taken not to spread the material too thinly. When the material begins to drag or “ball”, do not add more liquid/water but dampen the surface again.

Second Coat: Allow at least overnight to cure before applying subsequent coats. Dampen the first coat and remove excess moisture. Brush or broom the mixed material onto the surface (as above) finishing at the right angles to the first coat.

Roka Seal C2 can be spray applied but should afterwards be brushed well into the substrate to ensure proper adhesion. To avoid this, apply first coat by brush and second by spray application (where required).

Protection on Completion:

The environment around the newly applied Roka Seal C2 should remain within the recommended temperature range, typically between **5°C and 35°C**. Avoid extreme heat, cold, or direct sunlight, which can affect the curing time and adhesive strength.

Handling & Storage:

This product has a shelf life of 12 months if kept in a dry cool place in the original packaging. In more extreme conditions this period might be shortened.

Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

All products are sold under our standard conditions of sale, which are available upon request. Any field services offered do not imply supervisory responsibility. For further information, please contact your local representative of Roka Chem Solutions.