



Icoment® 520

Cementitious Levelling Mortar for Concrete Repair

Technical Data Sheet

DESCRIPTION

Icoment 520 is a two component polymer modified cementitious mortar for levelling and reprofiling concrete surfaces. The liquid (component A) consists of a specially developed polymer dispersion. The powder (component B) contains hydraulic binders and mineral fillers.

USES

- * Levelling concrete surfaces.
- * Filling small voids and cavities.
- * For exterior and interior use.

ADVANTAGES

- * Part of the **Icoment** Concrete Repair System.
- * Pre batched for quality.
- * Compatible with **Sika® FerroGard®** corrosion inhibitors.
- * Easy to mix and apply.
- * Excellent bond to concrete.
- * Contains no chloride admixtures.
- * Overcoatable with **SikaGard®** coatings.
- * Low shrinkage.
- * Coefficient of thermal expansion similar to concrete.
- * BBA approved.

Technical Data (typical)

Mixed colour:	Grey
Mixed wet density:	1.9 kg/litre
Application temperature:	+3°C min, +25°C max (Substrate and ambient)
Application thickness per layer:	2.0 mm minimum 3.0 - 5.0 mm maximum (bulked)
Overcoating:	1 - 2 days with SikaGard vapour permeable coatings. 14 days with SikaGard PU or epoxy coatings.

All above values are approximate.



CONCRETE SUBSTRATE PREPARATION

Prepare and clean all concrete surfaces by suitable mechanical means such as abrasive blast cleaning or equivalent to ensure cement laitance, surface contamination and all existing coatings are removed and all blowholes and honeycombed areas are exposed.

MIXING

Icoment 520 levelling mortar should be mechanically mixed using a forced action mixer or in a clean drum using a drill and paddle. A normal concrete mixer is NOT suitable.

Stir or shake component A and place into mixer then add component B slowly, mixing continuously. Take 2 litres of water and use a small amount to rinse the component A container and add to the mixture. Continue to mix and gradually add the remaining water until the desired consistency is achieved.

APPLICATION

The surface should be pre-wetted to a saturated surface dry condition before application.

Large and deep holes should be prefilled with the appropriate **Icoment** mortar. It is possible to use **Icoment 520** for initial levelling of 3 - 5 mm thickness by extending the powder component with the addition of 25% pbw quartz sand of granulometry 0.7 - 1.2 mm. This layer should be trowel applied and should not be sponged finished.

Final layer of **Icoment 520** should be used as supplied and sponged to a uniform texture after initial set has taken place. A fine gripping surface, comparable to sand paper should be produced.

In case of large surface, **Icoment 520** can also be applied by specialist spray, whereby application in 2 operations is recommended. During the first spray application holes and cavities must be carefully filled and the surface roughness levelled up. After treatment is as described above.

IMPORTANT CONSIDERATIONS

CURING

It is essential to cure the levelling mortar immediately after application for a minimum of 3 days to ensure full cement hydration and to minimise cracking. Use polythene sheeting or keep damp.

- * Application of **SikaGard** vapour permeable coatings can be applied after a minimum of 24 hours.
- * Do not add water over recommended dosage.
- * Apply only to prepared, sound substrates.
- * Protect freshly applied material from freezing.

CLEANING

Remove **Icoment 520** from tools and equipment with water. Hardened material can only be removed mechanically.

PACKAGING

Refer to latest price list.

CONSUMPTION

1.9 kg/m²/mm (1.9 kg/litre)
Excluding allowances for loss wastage, surface profile and porosity.

STORAGE AND SHELF LIFE

Minimum 6 months in unopened original sealed containers stored in dry warehouse conditions (+5°C - +25°C).

Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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