Flowprime

Application instructions

Preparation/Substrate

Surfaces to be coated should be sound and provide adequate strength for the proposed end use (minimum 25 N/mm^2 compressive strength).
The surface profile and levels should be appropriate for the system to be applied. Substrate humidity must not exceed 75% RH, in which case use Hydraseal DPM.
Blasting, scouring or diamond grinding removes laitance. Irregularities, damage and cracks are filled with epoxy filler. All residues must be removed to provide a dry, dust free open textured surface.
Contact us for advice if there are impurities, such as oils etc., in the concrete. Check the relative humidity of floors at ground level. Follow our instructions for connections to grid drains, cesspools, pipes and pipe inlets.

Primer

Application on an untreated, porous concrete surface can cause air bubbles and in the finished coating. To avoid this, prime the floor using Flowprime.

Pour Hardener B into the packaging holding Base A and completely pour out the resultant mixture. Mix using a low-speed drill and stirrer until a homogenous mixture is obtained (approximate mixing time 3 minutes). Do not mix in too much air.

Allow the primer to harden until the surface can be walked on, approx. 15 hours at 20°C. At lower temperatures the hardening time is longer. It is important there are no dry patches. If in doubt, check the adhesion using an adhesion tester. Minimum requirement 1.5 MPa (1.8 MPa for heavy stress).

Apply immediately after mixing using a double-lipped rubber squeegee and/or roller. Ensure that the primer permeates any surface irregularities.

Consumption, primer: approx. 4m^2 / Litre.

Hydraseal DPM is to be used as the primer in instances where the substrate exceeds 75% RH; refer to the separate application instruction for more information.

Note that:

Flowcrete products are often multiple-component systems. Poor mixing, or incorrect mixing procedures, can result in irregular and incomplete hardening, which in turn can result in an inferior final result.
Coloured Base A is stirred first before Hardener B is added.
The temperature should be above 15°C to achieve the best results during application. The temperature of the substrate should be at least 10°C, although a temperature of 15-30°C is recommended.

The temperature of the substrate should exceed the “dew point” by more than 3°C during application and hardening.

The product should be stored in such a way that the temperature is the same as the room temperature where the product is to be applied, i.e. between 15-25°C. This improves the mixing, flow, penetration and hardening of the product.
The surface can normally be walked on after approx. 15 hours at 20°C. Complete hardening takes 5-7 days.

There are often several types of products at a workplace. Sort the products separately to avoid mistakes.

Cleaning of Tools

Cleaned immediately after use in solvent, e.g. Flowsolve Cleaner or Acetone.

Any recommendation or suggestion relating to the use of the products made by Flowcrete SA, whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is for the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.

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Flowcrete SA (Pty) Ltd is an RPM Company