

Flowtex F1 Coving Mortar

A three-component, lightweight, solvent-free epoxy resin-based coving mortar



Easy to clean:

Minimal joints makes this flooring easy to sterilise.



Abrasion & Impact Resistant:

Excellent abrasion and wear resistance under heavy traffic conditions.



Low Odour:

Improved air quality during installation and beyond.

Technical Profile

DENSITY

1.27kg/litre

COMPRESSIVE STRENGTH

>55 N/mm²

FLEXURAL STRENGTH

>20 N/mm²

TENSILE STRENGTH

>8 N/mm²

BOND STRENGTH

1.5 MPa concrete failure

PACKAGING

12 litre kit yield, consisting of 3 litre Base A + Hardener B + 14kg Filler C

COVERAGE

± 4 linear metres per kit at 75mm x 75mm (45° chamfer)

SURFACE PREPARATION

By mechanical means

PRIMING

Flowprime

TEMPERATURE

Flowtex F1 Coving Mortar should not be applied at material or floor temperatures below 10°C. Temperatures should not fall below 5°C in the 24 hours after application.

* These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

| SPEED OF CURE | 20°C | 30°C |
|---------------|--------|--------|
| Pot life | 40 min | 20 min |
| Light Traffic | 24 hrs | 16 hrs |
| Full Traffic | 48 hrs | 40 hrs |
| Fully Cured | 7 days | 5 days |

CHEMICAL RESISTANCE

Performance against more common chemicals:

| | Excellent | Good | Limited |
|----------------------|-----------|------|---------|
| ACIDS: | | | |
| Citric 30% | ✓ | | |
| Acetic 10% | ✓ | | |
| Lactic 20% | ✓ | | |
| Sulphuric 40% | ✓ | | |
| Hydrochloric 20% | ✓ | | |
| Nitric 25% | | | ✓ |
| Phosphoric 20% | | | ✓ |
| ALKALI: | | | |
| Sodium Hydroxide 70% | | ✓ | |
| Ammonia 10% | | ✓ | |
| SOLVENTS: | | | |
| Engine Oil | ✓ | | |
| Hydraulic Oil | ✓ | | |
| Petrol | ✓ | | |
| Diesel | ✓ | | |
| Kerosene | ✓ | | |
| Methylated Spirits | | ✓ | |
| Acetone | | | ✓ |
| Butanol | | | ✓ |

Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm², and maintain a minimum tensile strength of 1.5 MPa, free from laitance, dust and other contamination. The substrate should have a moisture content of no more than 5%.

Substrate Repair

All damaged areas of floor should be made good and up to level with Flowtex F1 Repair Mortar applied over wet Flowprime.

Substrate Movement

All moving joints must be carried through the Flowtex F1 Coving Mortar and properly sealed. Construction joints and cracks may be covered but if substrate movement occurs, the Flowtex F1 Coving Mortar will reflect the crack.

Coving Application

1. Immediately after mixing, form the vertical edge of the cove.
2. Then lay the base level with the edge of the floor finish.
3. Place a fillet of mortar and form the cove with a coving trowel.

Within 20 to 40 minutes, finish the surface to remove any blemishes. If necessary, lightly brush with a paint brush dampened with Flowsolve to give a smoother surface.

Sealing

Allow the F1 Mortar to cure overnight before sealing.

Overcoating

Flowtex F1 Coving Mortar should be overcoated within 24 hours and in accordance with the relevant technical data sheet.

Tool Cleaning

Clean with Flowsolve Cleaner before the product has cured.

Storage and Shelf Life

Stored, unopened in dry conditions at 10 to 25°C, the shelf life will be 12 months minimum.

Health & Safety

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety data sheets, available on request and sent with each delivery.

Further Information

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

Flowcrete has a wealth of technical and practical experience built up over many years in our pursuit of excellence in flooring and concrete technology.

Installation Service

The installation should be carried out by an Approved Applicator. For details of our Approved Applicators, contact our regional office. Detailed application instructions are available upon request.

Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained application teams.

Warranty

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard "Warranty, Terms and Conditions of Sale", copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.