

## Flowtex F1 Coving Mortar

A three component pack, solvent free, epoxy resin based coving mortar.

### Uses

Used to form coved skirtings. Can be feathered down to a minimum thickness of 1 mm.

### Environment & Health

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheets for the individual components.



#### Low Odour

Low odour and low taint.



#### Resistant

Durable, high strength abrasion and impact resistance.



#### Application Method

Easy to apply.



#### Bond Strength

Excellent bond strength.

### Packaging

The product is supplied as:

<b>Base A</b>	Universal Resin Base A 708
<b>Hardener B</b>	Universal Hardener B (W)
<b>Filler C</b>	Graded Quartz Aggregates

### Standard Coverage Rates

<b>For coving 150mm high, 50mm wide and a depth of 5mm</b>	2.5kg/linear metre (approx)
--	-----------------------------

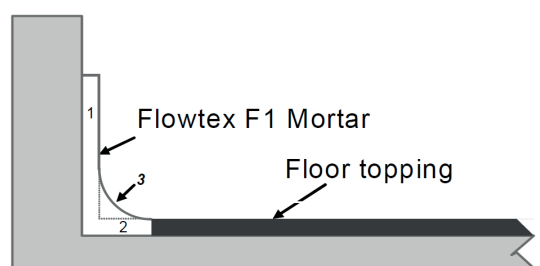
### Curing Times (at 20°C)

<b>Max Overcoating</b>	24 hours
<b>Foot Traffic</b>	24 hours
<b>Vehicular Traffic</b>	48 hours
<b>Full Chemical Cure</b>	7 days
*Full chemical resistance is achieved after 5-7 days.	

### Additional Information

<b>Density</b>	Approx 1.9kg/l (combined)
<b>Compressive Strength</b>	> 55 N/mm <sup>2</sup>
<b>Flexural Strength</b>	> 20 N/mm <sup>2</sup>
<b>Tensile Strength</b>	> 8 N/mm <sup>2</sup>
<b>Bond Strength</b>	> than cohesive strength of concrete
<b>Colour</b>	Natural. Special colours can be produced.

**FIGURE 1 COVING**



## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitance, dust and other contamination. Substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012). Slab on ground concrete must have an effective damp proof membrane in place. Must be free from rising damp.

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

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

## 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.

## Surface Preparation

Either by totally enclosed shot blasting, diamond grinding or scarification. Edges completed by vacuum controlled hand tools. All residues must be removed to provide a dry, dust free open textured surface.

## Storage

<b>Time</b>	12 Months in Unopened Packs. If longer than 12 Months consult Flowcrete.
<b>Temperature</b>	Storage temperature between 5°C and 35°C.
<b>Protection</b>	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

## Mixing

The product is supplied as follows:

<b>Base A</b>	Universal Resin Base A 708
<b>Hardener B</b>	Universal Hardener B (W)
<b>Filler C</b>	Graded Quartz Aggregates

Decant required amount of Base A. Add Hardener B to Base A container. Mix with a slow speed drill and helical spinner head until uniform. Take care not to entrain air. Transfer mix to forced action mixer and add Filler C. Mix for 90 seconds.

## Solvent

Solvent should not be added to the Flowtex F1 Repair Mortar.

## Application Temperature

The recommended material and substrate temperature is 10 - 35°C, but no less than 10°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening.

Temperatures should not fall below 5°C in the 24hrs after application.

## Application / Pot Life

Ready-mixed product should be used within 40 minutes at a temperature of 25°C. At higher temperatures (or if left in bucket) the application time is shorter.

## Priming

Use Flowprime NEW.

## Application Method

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 45 minutes, finish the surface to remove any blemishes. If necessary, lightly brush with a paint brush damped with Flowsolve to give a smoother surface.

## Sealing

Allow the F1 Mortar to cure overnight before sealing. Refer to Flowcrete Technical team for suitable sealing products.

## Chemical Resistance

Consult Flowcrete for more detailed test data. Performance against more common chemicals :-

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

## Additional Notes

1. Maximum overcoat time is 24 hours at 25°C.
2. The product has reached full cure after 7 days at 25°C.
3. It is the applicators responsibility to verify accuracy of colour prior to application. Flowcrete does not bear any responsibility or accept claims for incorrect colour after application of material.
4. This system is not UV stable and will discolour unless otherwise stated.
5. Do not cover or wash within the first 36 hours of curing at 25°C.
6. This system should be installed at 3°C above the dew point.
7. Please ensure application temperature and RH limits are followed.
8. Wind or strong airflow may cause quick curing and drying of the system.
9. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
10. Direct heat during application of the system can cause flash curing and potential delamination. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.