

Case hardener and dust proofer for Terrazzo and Concrete - Multiflex 76

**Multiflex 76** is a water based, clear solution of inorganic silicofluorides, which have been specially developed for the hardening, dust proofing and protection of floors from chemical attacks.

**Multiflex 76** can be used on all cementitious matrix type floors such as coloured and uncoloured concrete, granolithic floors, terrazzo, marble and specialist topping floors.

PRODUCT ATTRIBUTES

- It imparts hardness to the treated floor much greater than the untreated floor
- Due to its plate-like formation of the specially hard fluoride complexes, it seals the pores which can form dust break off.
- It reacts with free lime and carbonates within the cementitious and stone matrix, forming inorganic fluoride complexes, which are inert and therefore very chemically resistant.

APPLICATION

**Preparation:** All surfaces must be clean, dry and free of all builders' rubble and laitance. All surfaces must be inorganic. Organic sealers, wax and polishes will stop the effective penetration of Multiflex 76. Do not overcoat without reference to our technical department. New concrete must be at least 14 days but preferably 28 days old.

Three coat coverage is required over all substrates.

**CONCRETE: GOOD QUALITY FLOOR**

**Coat 1 dilution 3parts water/1 part MF76:**

Mix the product to the dilution ratio stated and brush or squeegee over the floor. Allow the mixture to penetrate into the floor (the floor should be completely free of "wet spots" before continuation.)

**Coat 2 dilution ratio: 1 part water/1 part MF76**

Apply as per coat 1

**Coat 3 dilution ratio: 1 part water/2 parts MF76**

Apply as 1<sup>st</sup> coat but do not allow to dry as upon evaporation of water, fluorosilicate crystals which have not reacted with the substrate will remain in the form of a white stain and will be difficult to remove. Flush the floor with warm water and vacuum or brush off excess.

**COLOURED CEMENTITIOUS FINISHES**

Due to the risks of fluorosilicate staining on coloured floors, different dilution ratios and application methods are employed. 3 coat coverage is required.

**Each coat dilution: 4 parts water/1 part MF76**

Apply coats 1 & 2 but do not allow it to dry on the substrate, as there is a risk of staining. Each coat is flushed away with clean water before the next coat is applied. The third coat is especially relevant to avoid staining.

**TERRAZZO** (treatment not dissimilar to coloured floors)

**Coat dilution: 3 parts water/1 part MF76**

**Coat 1:** Spread evenly across the floor and keep mobile (using a scrubbing machine can improve the MF76 circulation). After 4 -5 hours (do not allow to dry) swill with warm, clean water to avoid staining. Vacuum, squeegee or mop excess.

**Coat 2:** Apply, as above.

**Coat 3:** Apply, as above, avoiding ponding. Take extra care on last coat that the water is clean.

The finished appearance can be improved by brushing and finish polishing.

**SOFT MARBLE: Consult our technical department**

TECHNICAL SPECIFICATION @ 20°C

S.G	1.176±0.01
pH	Under 7
Appearance	Clear (no cloudiness)
Coverage: concrete	3m <sup>2</sup> /Lt for full 3 coat finish
: Cementitious	5m <sup>2</sup> /Lt for full 3 coat finish
: Terrazzo	6m <sup>2</sup> /Lt for full 3 coat finish
Packaging	5Lt & 25Lt

**IMPORTANT NOTE:** MF76, as previously mentioned is a treatment which reacts with free limes and carbonates within floors to form inorganic fluoride complexes. These can be ground off if coarse abrasive pads are used.

HEALTH & SAFETY

- Harmful designation.
- Poisonous when in liquid form.
- DO NOT CONSUME.

Refer to H&S data sheet.