

FLOWPATCH® SUB ZERO

Rapid set concrete repair mortar for temperatures as low as -20°C



AREAS OF USE

- Cold stores
- Securing railings
- Poles and posts
- Roads and manhole frames etc.

FEATURES

- Easy to use – just add water, mix and apply
- Magnesium-based formula generates heat when mixed with water, allowing the product to be used as low as -20°C
- Non shrinking
- Starts to hardens in 10 minutes, fully hard in five hours when suitably insulated (at -10°C)
- Can be applied at 50mm thick at -20°C

DESCRIPTION

Watco Flowpatch® Sub Zero is a pre-mixed magnesium phosphate cement blended with specially selected aggregates, that will cure rapidly, even at -20°C and accept traffic after just 2 hours. Ideal for repairing holes or levelling damaged concrete floors in freezer and chiller rooms. Also suitable for general external repairs in cold conditions.

SPECIFICATION

Composition	Fibre reinforced, magnesium phosphate cement based powder.	Curing	The mixed mortar will start to harden in 10 minutes. For applications at -5°C and lower, it is recommended to cover the repair with a piece of solid insulation at least 50mm thick.
Number of Components	1	Pot Life	Approximately 5 to 10 minutes at 20°C, so do not mix at one time more than you can use within a few minutes.
Usage Interior/Exterior	Interior & exterior.	Cleaning Tools	Remove excess with a cloth or scraper and wash with water before the product sets.
Application Tools	Steel float or trowel.	Shelf Life	12 months in unopened containers.
Suitable For	Concrete, sand & cement.	Storage	Store in dry conditions. Do not allow to freeze.
Pack Sizes	10kg and 25kg	Safety.	All product labels provide general safety information. Material Safety Data Sheets are available.
Density	2200kg/m ³		
Coverage	10kg produces 4.6 litres of mortar. This covers approximately 0.24m ² when applied at 20mm thick. 25kg produces approximately 11.5 litres of mortar. This covers 0.6m ² when applied at 20mm thick.		

PREPARATION & APPLICATION

SURFACE PREPARATION

Remove all loose material including dust, oil and grease. Minimum application depth should be 20mm. Repair edges should be cut to depth to avoid feather-edging.

Dampen bare concrete with clean, cold water. Remove any standing water.

Briefly warm the area using a blowlamp or gas torch. This helps to accelerate curing.

MIXING

Mixing must be carried out in an ambient temperature above 5°C. If mixing at temperatures below 5°C, pre-warm the mixing vessel with warm (approximately 25°C - 30°C) water.

Remove the bag of powder and pour 2 litres per 25kg or 0.8 litres per 10kg of clean, cold water into the plastic container. Gradually add all the powder, mixing thoroughly. Continue mixing to produce a smooth workable mortar. Do not mix the product for more than 4 minutes. Use immediately.

APPLICATION

Trowel Watco Flowpatch Sub Zero firmly into place using a steel trowel or float (available from Watco). The trowel can be wiped with clean, cold water to make finishing easier.

Apply the product at a minimum 20mm thickness, if using at a temperature range of -20°C to 5°C.



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