

# Flowpatch<sup>®</sup> Sub Zero

Rapid set, pourable, concrete repair mortar for temperatures as low as minus 20°C



Watco Flowpatch Sub Zero is a pre-mixed magnesium phosphate cement blended with specially selected aggregates, that will cure rapidly, even at minus 20°C and accept traffic after just 2 hours.

Ideal for repairing holes in damaged concrete floors in freezer and chiller rooms. Also suitable for general external repairs in cold conditions.



## Areas of use:

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

## 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 minus 20°C
- Non shrinking
- Starts to hardens in 10 minutes, fully hard in five hours when suitably insulated (at minus 10°C)
- Can be applied at 50mm thick at minus 20°C

## Need help? Speak to the experts

Our dedicated and professional team are here to help you get the best results for your project. They will talk you through the preparation and application stages when using **Flowpatch Sub Zero**.

**Call our expert team on: 01483 418 418** (Weekdays 8:00am - 5:30pm. Saturday 9:00am - 12:00pm)



# Flowpatch<sup>®</sup> Sub Zero

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

## 1 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.

## 2 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.

## 3 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 minus 20°C to 5°C.

## 4 Safety

All product labels provide general safety information. Material Safety Data Sheets are available.

## 5 Ordering

Available direct from Watco UK Limited and through agents worldwide. All Watco products are sold subject to the Company's Standard Conditions of Sale.

The Company and its representatives are often asked to comment on potential uses of Watco products which differ from those described in the Company's data sheets. Whilst in such cases the Company and its representatives will always try to offer helpful and constructive advice, the Company cannot be held responsible for the results of such uses unless they are specifically confirmed in writing by Watco.

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## Specification

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