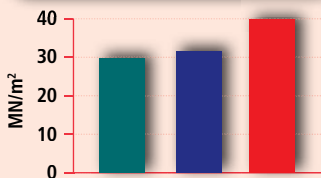


## Flowtop<sup>®</sup> NEW Fibre reinforced formula

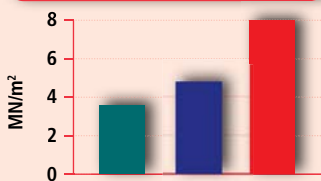
A self-smoothing topping for industrial concrete floors

### New Flowtop: How does it compare?

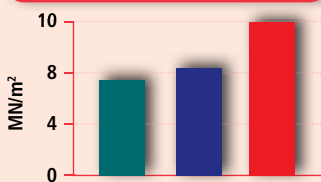
#### Compressive Strength



#### Tensile Strength



#### Flexural Strength



- Typical Concrete
- Old Formula Flowtop
- New Fibre Reinforced Flowtop



#### Resurface damaged or uneven concrete easily and quickly

Watco Flowtop is a pourable, self smoothing topping for resurfacing damaged or rough concrete floors. It now includes polyamide fibres which reinforce the microstructure to make Watco Flowtop even stronger and improve its resistance to shocks and abrasion.

Watco Flowtop has 33% greater compressive strength than most concrete surfaces, and 90% greater tensile strength. The finished surface is extremely durable and is suitable for forklift truck traffic and general industrial use.

Uses: Ideal for rough or damaged concrete to provide a smoother, more easily cleaned surface. The cured surface will accept traffic or it can be overpainted if required. Watco Flowtop is ideal for garages, workshops, showrooms, production areas, warehouses etc.

#### Many uses

- Easy to use
- Fibre reinforced to give a stronger, more durable surface
- Proven to have low slip potential
- Self smoothing to a grey, non-dusting surface
- High strength at only 3mm thick: thickness can be increased to 15mm to cover very uneven areas
- Suitable for interior or exterior use



# Watco Flowtop

## Description

Watco Flowtop is designed as an industrial grade overlay for rough, damaged or tamped concrete. It cures to a smooth, non-dusting surface that is tough enough to withstand forklift trucks. It is not recommended as a levelling compound for existing very smooth or powerfloated surfaces. Watco Flowtop can be left as a highly practical grey finish or overpainted (see Overpainting).

## Strength

### Watco Flowtop

Tensile Strength	5.2MN/m <sup>2</sup>
Flexural Strength	7.7MN/m <sup>2</sup>
Compressive Strength	29MN/m <sup>2</sup>

### Typical Concrete

Tensile Strength	3.4MN/m <sup>2</sup>
Flexural Strength	6.9MN/m <sup>2</sup>
Compressive Strength	21-41MN/m <sup>2</sup>

## Slip Resistance

Watco Flowtop has a low slip potential. Independent testing to BS7976 using the Pendulum CoF Test with Four S standard rubber gives values of 68 when dry (extremely low slip potential) and 50 when wet (low slip potential). A copy of the test certificate is available. Overcoating with Watco Safety Grip recommended if additional slip resistance is required.

## Coverage

As a guide, a 25kg pack will cover approximately 3.7m<sup>2</sup> at 3mm thick, 2.2m<sup>2</sup> at 5mm thick and 1.1m<sup>2</sup> at 10mm thick. Flowtop should not generally be applied less than 3mm thick.

## Storage

Flowtop should be stored for 8 hours prior to use at a temperature range of 15°C-25°C. After long term or higher temperature storage the primers and bottle of resin must be shaken thoroughly. The product must not be allowed to freeze.

## Surface Preparation

Concrete should be reasonably clean and free of loose surface material. A good sweep with a stiff broom is usually sufficient. Remove heavy oil and grease contamination using Watco Concroff Super Safe or a similar degreasant. It does not matter if the concrete is damp.

## Painted and Sealed Surfaces

Remove as much flaking and poorly bonded material as possible. Please refer to Watco Customer Services Department for further advice.

## Priming

Two primers are supplied. Dampen areas of bare concrete with clean cold water and leave for 20-30 minutes. Apply Primer 1 to the prepared surface using a brush or soft broom (Fig 1) and allow it to soak into the concrete for at least 15-20 minutes. Primer 1 can be left overnight to dry if time permits. Primer 2 can be applied whilst Primer 1 is still tacky or if Primer 1 has completely dried. Apply the primers reasonably evenly to avoid ponding on the surface.

We supply sufficient Primer 2 to allow for very absorbent surfaces, and application to less absorbent surfaces will require less than we supply. Apply only as much as is required to provide a thin, reasonably even film without ponding. If excess Primer 2 is used it can bleed through the wet Flowtop and dry on the surface. Although any dried primer will wear off as the floor is put into use, it can lead to problems if the Flowtop is going to be painted.

## Mixing (immediately after Primer 2 has been applied)

We recommend that the complete pack of powder and resin are used rather than splitting them for separate mixes. Empty the large bottle of resin into the bucket and gradually add the powders ensuring complete dispersion, stirring and blending using a slow speed drill fitted with a mixing blade (available from Watco). Continue mixing for approximately 3-5 minutes until an even colour and creamy consistency is obtained. The mixed components should be used immediately.

## Application

Pour the mixed components on to the prepared surface. For best results the Primer 2 should, at this stage, be uniformly wet over the surface. Apply more primer if required to any areas which may have dried out although ponding should be avoided (Fig 2). Using a rectangular trowel spread the mixed components across the surface of the concrete at the desired thickness (Fig 3). It may be convenient

to work to a thin batten for depth and edge control but this must be removed before further sections are treated. It is not essential that trowel marks are removed at this stage.

Immediately after application a spiked roller should be used to improve the finish and release any trapped air (Fig 4). Work the spiked roller uniformly across the surface rolling each area 3 or 4 times from different directions. The spiked roller should not be used more than 20 minutes after the product has been applied (less in warm or very dry conditions) as it will then start to cure and the roller marks will not disappear.

Care should be taken not to tread wet primer or the mixed components onto surrounding surfaces. External applications in direct sunlight can lead to hairline crazing. In exceptional temperature conditions advice should be obtained from Watco's Technical Department.

## Curing Time

Foot and light traffic may be allowed after approximately 6 hours. Watco Flowtop will be ready for full use after 24-36 hours when laid at normal depths (i.e. 3-5mm). These guidelines assume an ambient temperature of approximately 15°C-20°C and good ventilation. Lower temperatures will retard curing. Do not apply at less than 5°C or above 30°C. Temperatures over 25°C can make the material sticky to apply and lead to rapid drying out causing surface crazing, especially in direct sunlight.

## Overpainting

Watco Flowtop does not need to be overpainted and can be left as a practical, non-dusting surface. In common with cementitious products, the shade of grey may vary due to the nature of cement and site conditions. Where appearance is important Watco epoxy resin coatings may be used to coat the surface. Solvent free products may be used after 24-36 hours, solvent based products after 7 days.

Avoid paints which contain strong solvents, such as xylene. If using a solvent based paint other than a Watco product we recommend a trial area first. We do not recommend application of Watco Concrete Floor Paint or any paint that may be affected by the residual alkalinity of the recently applied Watco Flowtop.

## Important

Do not apply to surfaces where sugars or sugar solutions have been stored or allowed to contaminate the surface.

## Shelf Life

6 months in manufacturer's unopened containers.

## Safety

Material Safety Data Sheets are available. Food products must be removed from the area during application and cure.

## Cleaning Equipment

Water may be used before the product starts to cure.

## General Maintenance

When fully cured, Watco Flowtop can be cleaned with detergents or degreasers. Do not subject to temperatures in excess of 60°C.

## Ordering

Available direct from Watco UK Limited in the UK 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.

## Applicators

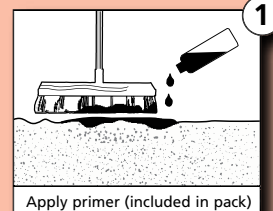
Mixing Blade for use with an electric drill

Spiked Roller (Telescopic handle available)

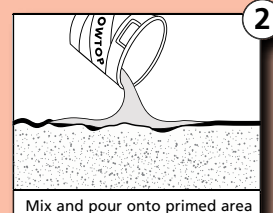


Spiked Shoes

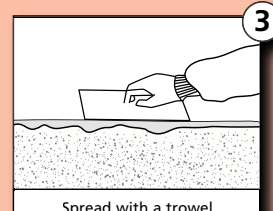
## Application



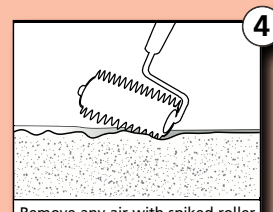
Apply primer (included in pack)



Mix and pour onto primed area



Spread with a trowel



Remove any air with spiked roller



Smooth hard surface finish



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