ARMOURGRIP®
The toughest non slip coating

AREAS OF USE
- Very heavily trafficked floors
- Loading bays
- Ramps
- Any wet, oily, slippery surface inside or out

FEATURES
- Unique, ultra-durable wearing surface
- Low maintenance – will last for years
- Utilises waste material
- Attractive black, mid gloss finish
- Will not wear through like a conventional paint coating
- Fast, one coat application
- Can be used at temperatures as low as 5°C
- Heavy duty, 100% solids epoxy resin formulation

DESCRIPTION
Watco ArmourGrip® is a unique formulation which offers significant advantages over anti-slip paint coatings. It would take many years of constant heavy traffic for signs of wear to show. This is achieved using a heavy duty, high build epoxy resin coating topped with Iron Silicate grit. This aggregate is so hard (7.5 on the Mohs mineral hardness scale) that it will not wear away like a paint coating.

The attractive, mid gloss aggregate will take constant forklift traffic, making it ideal for heavily used aisleways, ramps or loading bays where a safe, non-slip surface is required. Little or no maintenance is an advantage in constantly busy areas where downtime is difficult.

It can be used inside and outside on slippery ramps, paths, vehicle turning areas, etc. It is highly versatile and can be applied to concrete, metal or wood, usually without any need for a primer. The 'cold weather' formulation allows for essential safety and maintenance work to be undertaken at temperatures as low as 5°C.

SPECIFICATION

Composition	High build, 100% solids epoxy resin, topped with Iron Silicate grit.
Number of Components	1 x Black Resin, 1 x Clear Curing Agent, 1 x 25kg unit of Black Iron Silicate grit.
Finish	Black, semi-gloss, textured grit surface.
Primer Required	Not usually – see section overleaf headed 'Priming'.
Number of Coats	1
Wet & Dry Film Thickness	400 microns - >600 microns comprising 400 microns of epoxy resin coating and 200 microns of iron silicate grit.
Slip Resistance	Dry: 94.5 PTV Wet: 80 PTV
Usage Interior/ Exterior	Interior & exterior.
Application Tools	Medium pile roller plus spare sleeve. Cut in using a brush.
Minimum Application Temperature	Floor temperature 5°C Air temperature 10°C
Suitable For	Concrete, some metals, wood, well bonded paint.
Pack Size	4L of resin and curing agent, 25kg of Iron Silicate grit.
Shelf Life	24 months in unopened container.

Coverage	Approximately 10m² per coat per 4 litre unit.
Cleaning Tools	It is not practical to clean applicators and they should be discarded after use.
Pot Life	20 minutes at 20°C, 30 minutes at 10°C.
Cleaning	Normal industrial cleaners. Do not steam clean or subject to temperatures in excess of 60°C.
Storage	Between 15°C - 25°C for at least 8 hours prior to use.
Principle Limitations Please contact us regarding applications not described here.	Not suitable for use on aluminium, stainless steel or chequer plate. Most self-levelling screeds cannot be painted – please ask for details. Unsuitable for asphalt or damp surfaces. Textured ' gritty' surfaces can make cleaning difficult in clean room areas.

CURING TIME	Light Traffic	Heavy Traffic	Full chemical resistance
5°C	30 hours	72 hours	7 days
10°C	24 hours	48 hours	
20°C	16 hours	48 hours	
30°C	8 hours	16 hours	

Light Traffic: Foot, trolley, pallet truck, occasional forklift
Heavy Traffic: Regular forklift, heavy footfall, vehicle turning points

COLOUR
Black

PREPARATION & APPLICATION

SURFACE PREPARATION

Bare Concrete – remove surface laitance, dust and any light dirt or grease deposits using Watco Etch & Clean. Watco Etch & Clean also etches smooth, bare concrete surfaces to provide a key. Flush with clean water and allow surface to dry. For the removal of heavier deposits of oil and grease we recommend Watco Concroff®, again, flush with clean water and allow the surface to dry.

New Concrete – as a guide, new concrete should be left for eight weeks to dry (if the application has to go ahead before this, use Watco New Concrete Primer). The surface should then be prepared using Watco Etch & Clean and thoroughly rinsed away and left to dry prior to applying this coating.

Painted surfaces – abrade to remove any weak or loose paint. Check remaining paint is well bonded. Very smooth, glossy paint should be lightly abraded to provide a key. Watco Bio D can be used to remove grease and oil from painted surfaces. Watco Concroff® is a very powerful degreaser for contaminated bare concrete, (do not use on a previously painted surface since it can soften paint).

Priming – is not usually required. If applying to hard, smooth, power floated concrete use Watco Powerfloat Primer.

Metal – remove any rust and flaking material by disc grinding or wire brushing. Apply the coating immediately after preparation to the clean metal surface. Grease or oil can be removed using Watco Bio D. Allow the metal to dry before coating.

Galvanised Metal – Watco Galvaprime must be used to prepare galvanised metal.

Non-ferrous Metals - for advice, please contact our Technical Department.

MIXING

Remove the two inner tins from the tall outer tin. Stir the contents of each tin thoroughly and pour all of the contents into the outer tin, (scrape around the inside of the tins to remove any residue). Mix the components together thoroughly using a spatula or similar wide bladed tool, (a piece of wooden batten is ideal) and do not thin. Continue mixing until an even colour and consistency are obtained. Do not mix more than one pack at a time. If a paint stirrer fitted to an electric drill is used, also use the spatula to blend in any unmixed material from the sides and bottom of the tin.

APPLICATION

The black coating is to be applied to the substrate and the grit scattered onto the wet surface. The 4L of black coating should be applied to a total maximum area of 10m^2. We recommend working in 1m wide strips, starting at the 'back' of the area and working backwards towards the entrance.

Apply a 1m wide strip of coating using a medium pile roller, cutting in around the edges with a brush. Immediately scatter the grit into the wet coating. Aim for complete coverage (there is plenty of grit) until none of the coating can be seen. Use a clean, dry roller to roll over the top of the grit, bedding it down into the wet coating. It does not matter if there appears to be too much grit. Repeat the process on the next 1m side strip.

After the coating has cured (see 'Light Traffic' under 'Curing Times' overleaf), use a stiff broom to sweep away loose, excess grit.

The floor is now ready for use.

SAFETY

Material Safety Data Sheets are available.

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