

# BUND SEALER

## AREAS OF USE

- Chemical & oil storage and bund areas
- Plant rooms
- Walls and floors
- Indoors and outdoors



## FEATURES

- One coat, high build, epoxy resin bund sealer
- Forms a waterproof barrier to seal and protect against oil, petrol, diesel and chemical spillages
- Can be used with Watco Fibreglass Reinforcing Tape to fill cracks and joints between the bund wall and the floor to prevent leaks
- Withstands heavy traffic
- Contains glass flake reinforcement for even greater resistance to chemical attack
- Provides excellent protection to metal tanks and pipes
- Helps comply with The Control of Pollution (Oil Storage) Regulation
- Can be applied at temperatures as low as 5°C
- Virtually solvent free – suitable for confined spaces
- Superior performance demonstrated by ISO testing to CE Mark EN1504-2

## DESCRIPTION

Watco has developed a one coat, high build, virtually solvent free, epoxy resin bund sealer which seals and protects banded areas against spillages of water, oil, petrol and diesel.

This advanced formulation contains glass flake reinforcement which provides excellent resistance against chemical attack.

Watco Bund Sealer cures to form a hard surface film which withstands heavy traffic.

One thick brush applied coat is generally sufficient, although two coats may be required on porous, open textured surfaces or to achieve a watertight seal over wider cracks and joints. Vulnerable cracks and joints, such as between the wall and floor, can also be further strengthened using Watco Fibreglass Reinforcing Tape.

Watco Bund Sealer is suitable for use both indoors and outdoors and will cure at temperatures as low as 5°C.

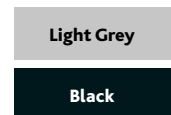
Watco Bund Sealer carries CE Mark EN1504-2 and has excellent test results for chemical resistance. It also has an A+ VOC emissions rating with a low level of VOC.

## SPECIFICATION

Composition	Glass reinforced, high solids, epoxy resin.
Number of Components	2
Finish	Smooth and glossy.
Primer Required	No.
Number of Coats	Usually 1.
Dry Film Thickness	300 microns.
Wet Film Thickness	300 microns.
Usage Interior/ Exterior	Interior & exterior.
Application Tools	Paint brush.
Minimum Application Temperature	Air Temperature 10°C. Floor Temperature 5°C.
Suitable For	Bricks, blockwork, concrete, sand and cement, asphalt and small areas of metal. The moisture content of concrete should be less than 75% RH.
Pack Size	4L
Coverage	14m <sup>2</sup>
Pot Life	25 mins @ 20°C.
Mix Ratio (by weight)	100 parts resin : 36 parts curing agent.

Cleaning Tools	It is not practical to clean applicators and they should be discarded after use.
Shelf Life	24 months in unopened containers.
Cleaning	Watco Bio D.
Storage	Between 15°C-25°C for at least 8 hours prior to use. Do not allow to freeze.
Principle Limitations Please contact us regarding applications not described here.	Do not apply to a wet surface or areas subject to rising damp. Do not apply to areas subject to movement such as structural movement or around vibrating machinery.

## COLOURS



**Samples are available on request.**  
While great care is taken with the colour samples shown, no guarantee can be given that they represent exactly the colours offered.

CURING TIME	Recoat Time	Touch Dry	Light Traffic	Heavy Traffic	Full Chemical Resistance
5°C	36 hours	24 hours	48 hours	72 hours	14 days
10°C	16 hours	12 hours	24 hours	48 hours	7 days
20°C	10 hours	6 hours	12 hours	48 hours	7 days

Light Traffic: Foot, trolley, pallet truck, occasional forklift  
Heavy Traffic: Regular forklift, heavy footfall, parked vehicles

TEST RESULTS

 <b>Abrasion Resistance ISO 5470-1</b> Taber test method expresses results in mg on a scale between 0mg (highest resistance) and 3000mg (lowest). A reading below 3000mg is a CE mark pass. <b>185mg</b>	3000mg → 0mg Lowest → Highest	 <b>Flexibility ISO 1519</b> Flexibility is measured using a Mandral Flex Tester, 2mm is the most flexible, 36mm the least. <b>20mm</b>	36mm → 2mm Lowest → Highest
 <b>Impact Resistance ISO 6272</b> Impact is expressed as Newton metres. Greater than 4 Nm is a CE mark pass. <b>CLASS 1</b>	Class 1 >4Nm Class 2 >10Nm Class 3 >20Nm	 <b>Gloss Value</b> Rating is a 'Gloss Unit' measured on an Optical Glossmeter. <b>96</b>	Matt 0-10%, Low Sheen 10-25%, Eggshell 26-40%, Semi-Gloss 41-69%, Gloss 70-85%, High Gloss +85%
 <b>Scratch Resistance ISO 4586-2</b> Scratch resistance is measured using a Sclerometer and the resistance is measured in Newtons. 1N is the lowest resistance, 20N the highest. <b>6N</b>	1N → 20N Lowest → Highest	 <b>Wolff-Wilborn Hardness Test</b> Also known as the 'pencil test', a 9H reading is the measure of a hardest coating. HB is the softest. <b>9H</b>	HB → 9H Least Hard → Hardest
 <b>Adhesion Test ISO 2409</b> Cross-Cut Test method. Class 0 is highest adhesion, Class 5 is lowest. <b>CLASS 3</b>	Class: 5 → 4 → 3 → 2 → 1 → 0 Lowest → Highest	 <b>Water Permeability EN 1062-3</b> To achieve a CE mark, the measurement must be less than 0.1 kg/m <sup>2</sup> (24 h) <sup>0.5</sup> <b>W<sub>3</sub></b>	CE Marking Critical Value: < 0.1kg/m <sup>2</sup> /(24 h) <sup>0.5</sup> W <sub>1</sub> → W <sub>2</sub> → W <sub>3</sub> Lowest → Highest
 <b>Adhesion Test EN 1542</b> Adhesion is expressed in MegaPascals (MPa) or Newton millimetres squared (Nmm <sup>2</sup> ). Greater than 2 MPa is a CE mark pass. <b>4.5MPa/Nmm<sup>2</sup></b>	>2MPa (Nmm <sup>2</sup> ) = test pass	 <b>Slip Resistance BS7976-2</b> The Pendulum Test Value (PTV) is measured in wet conditions. A number above 36 indicates a 'low slip potential'. <b>31 PTV</b>	High: 0-24 PTV Moderate: 25-35 PTV Low: 36+ PTV
 <b>Chemical Resistance</b> Results shown, in the table below, are for tests with commonly used chemicals based on a 72 hour period of attack. Advice can be given for chemicals not listed here. <b>EXCELLENT</b>			

Best long term resistance			Good long term resistance		Some attack, limited resistance only	Not resistant
Oxalic Acid 10%	Low Aromatic White Spirit	Ethanol	Nitric Acid 20%	Ethyl Methyl Ketone	Acetic Acid 20%	Xylene
Tartaric Acid 20%	Odourless Kerosene	Ester Alcohol	Sulphuric Acid 20%	Detergent	Phosphoric Acid 20%	Benzyl Alcohol
Calcium Hydroxide 50%	White Spirit	Anti-Freeze	Hydrochloric Acid 15%	Skydrol	Lactic Acid 10%	Solvent based paint stripper
Sodium Hypochlorite 15%	Sodium Chloride Solution 50%	Acetone	Ammonia 20%	Petrol		
Sodium Hydroxide 50%	Sugar Solution 50%	Brine	Naphtha C9	Diesel		
Butoxyethanol	Mineral Oil	Bleach				

STANDARD COMPLIANCE

 <b>EN 1504-2</b> This mark indicates that a coating has passed all the tests required to carry a CE mark.	 <b>BREEAM COMPLIANT</b>	 <b>VOC LEVEL</b> 35g/Litre LOW	 <b>ISO 16000</b> The 'Loi Grenelle' measurement of the effect of a product's VOC level within a building. A+ is the top safety rating.	 <b>REACH COMPLIANT</b>
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SURFACE PREPARATION

**Bare blockwork, brick and concrete** – ensure surfaces are clean, dry and dust free. Usually a good sweep with a stiff broom or brush is sufficient. Any grease or oil contamination should be removed using Watco Concroff. For larger areas of bare concrete, Watco Etch & Clean can be used to remove weak cement deposits.

**New concrete** – as a guide, new concrete should be left for eight weeks to dry.

**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, but for open textured, or very porous high suction surfaces, such as sand and cement screed or porous bricks or blocks, a second coat may be required.

**Minor cracks/joints** – such as between the wall and floor, can be strengthened by using Watco Fibreglass Reinforcing Tape. Push the tape firmly into place on top of the wet Bund Sealer so that the crack or joint runs down the centre of the tape. Push the tape onto the layer of Bund Sealer using a brush loaded with more Bund Sealer. Work the tape into the corners, joint and angles, ensuring good contact with the surface at all joints. If a joint is required, overlap the tape by at least 50mm and work in as above. Allow to harden and apply more Bund Sealer over the rest of the bund or area to be sealed.

**Large cracks/joints** – will need repairing prior to applying Bund Sealer. Please contact our Technical Department for advice.

**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 consistency is 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: Important** – once the contents of the pack have been mixed, a chemical reaction takes place which creates heat, and the product should therefore be used immediately.

Best results are obtained in warm (minimum of 15°C), dry conditions with good ventilation. Apply one thick coat with a paint brush working well into the surface. Do not exceed the maximum coverage of 14m<sup>2</sup> per 4 litre pack.

Do not wash or allow water to lie on the surface for at least 7 days.

**SAFETY:** Material Safety Data Sheets are available.

**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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