KoverTek G4
Concrete Sealer and Adhesion Promoter

User guide:

G4 Multi-Seal is a polyurethane that hardens with moisture. It is light straw translucent in colour.

G4 provides a tough, highly durable non-porous seal on most porous materials.

Since G4 Multiseal is hardened by moisture it can be applied to surfaces that contain some moisture although any surface onto which G4 is applied must be dry enough to be porous. This enables the first coat to penetrate and obtain a mechanical grip. KoverTek G4 Multiseal can be used in poor application conditions with temperatures down to 0°C and in areas of relative high humidity.

KoverTek G4 Multiseal seals damp out of concrete, brick, stone and wood. The coating is hard wearing but flexible and resistant to many acids and alkalis in normal concentrations. It withstands boiling water.
While G4 Multiseal is an excellent sealant, it does not have any filling or bridging properties. It will not fill cracks or holes. Sealing with G4 Multiseal is easy and quick, three coats can be applied in a day.

Where to use KoverTek G4:

G4 Multiseal is a very effective coating for damp walls and floors. It can be used in cellars and basements. Because it is hard wearing tough and long lasting it is ideal for consolidating dusty and worn concrete floors. It can also be used as a coating for new floors in factories, warehouses and garages.

G4 Multiseal seals concrete floor screeds and smooths surfaces prior laying cork or vinyl tiles or other floor covering. It prevents rising moisture which destroys the adhesive and the tiles. G4 seals garden ponds making them waterproof and easy clean. It also prevents lime from leaching into the water. This is particularly important when fish being kept.

G4 Multiseal – Damp Walls – Floors.
Damp penetrating through walls and floors spoils paint, wallpaper and other surface decorations. G4 seals render and plaster from the inside with a non-porous coating. G4 penetrates the porous substrate, bonding strongly and sealing the surface against damp. A 3-coat application is advised for ultimate performance.

G4 Multiseal cannot be used on very dense surfaces, e.g. tiles, quarry tiles, granolithic, mosaic or other similar dense materials. G4 cannot be applied to bitumen. Surface Preparation For maximum effectiveness G4 should be applied to a porous and bare surface.

All existing coatings should be removed. In practice, this may not be possible in which case the sealing ability and adhesion will be between the existing coating and the sealer. Loose pointing in brick walls should be replaced before application. Cracked and worn areas in floors should be repaired. G4 Multiseal can be applied on top of plaster or cement render provided they are securely bonded to the substrate, while G4 Multiseal is a moisture hardened sealant it is necessary for the substrate to be dry enough to be porous. This enables maximum penetration. If the surface is too damp the G4 Multiseal can de-laminate or blister. It may be necessary to dry out the floor artificially. Should there be any doubts test a small area to establish whether adhesion is impaired.

KoverTek G4 Multiseal Application:

Applying KoverTek G4 Multiseal is quick and easy by brush or roller. When using a roller, on horizontal surfaces, ensure that the product does not 'puddle' in any undulations. For most damp proofing, three coats are recommended to build up a continuous surface film. Each coat can be applied as soon as the previous coat is finger tacky, or in the case of a floor, can be walked upon carefully. Each coat must be applied within 4 hours of the previous coat to ensure good adhesion. When walls are being re-plastered or screeded it is advisable that the last coat is 'blinded' with dry sharp sand while the KoverTek G4 Multiseal is still wet. This provides a mechanical key for the plaster or cement render. Paint & Wallpaper: Good quality emulsion can be applied to G4 as soon as it is hard.

Wallpaper adhesive will take longer to dry since moisture can only evaporate in one direction. When applying a vinyl or heavily embossed wallpaper it is necessary to apply a lining paper first to provide initial grip for the wallpaper adhesive. G4 can be used to seal out soot and other stains. Remove any loose material and prime with G4 Multiseal.

Concrete floors which are subjected to constant wear become dusty and break up. Dust effect and wears out machinery and contaminates products in warehouses and stores. G4 Multiseal penetrates into the surface of dusty concrete floors, coating the floor with a hard & durable flexible film. It is quick and easy to apply with a brush, roller, or fine broom.
 A 3-coat application of KoverTek G4 Multiseal will be free to walk upon the following morning.

G4 Multiseal Non-Slip Surface:
With industrial floors it may be necessary for the floor or gangways to have a
non- slip surface. This is simple to apply with fine hard grit (e.g. Scangrit) evenly scattered into the wet 2nd coat and sealed with a 3rd coat.

Pond sealing: -

A 3-coat application of G4 seals ponds and is widely used by Koi carp farmers. It applies a waterproof coating and prevents lime from leaking into the water. It is applied to a cement render which must be dry enough to be porous. When applying the render, it is advised that a wooden trowel finish is used. With KoverTek G4, 3 coats are applied.

Coverage and Hardening Times Consumption, Tack Time

1st Coast Standard 30-60 minutes 215 grs/sq/m (410/g/sq/m for ponds)

2nd Coat 210 grs/sq/m 90-120 minutes (410/g/sq/m for ponds)

3rd Coat = 200 grs/sq/m 4-6 Hours (400g/sq/m for ponds)

Total 625-1220 grs/sqm

The consumption can vary according to the porosity of the substrate. Full mechanical hardness is achieved after 24 hours and chemical cure after 72 hours. The surface can be walked on after 4-6 hours when it will also be unaffected by rain. Cleaning Brushes should be cleaned immediately after use with KoverTek Solvent Cleaner. In practice, it is impossible to clean rollers. When applying G4 Multiseal it is advised that an old brush is used, placed in a plastic bag between applications so it will remain useable for the 3-4 applications and thrown away when finished.

 G4 Multiseal For Wood Sealing:
G4 Multiseal is very effective for sealing (varnishing) wood. G4 Multiseal can be applied in conditions unacceptable to other varnishes, at low temperatures and high humidity. However, G4 is affected by UV light which will yellow it although in general terms will perform better than most varnishes.

Pack sizes: -
1kg, 5kg, 25kg, 200kg.

Health & Safety: -

Flammable Liquid and Vapor.
Use protective gloves when applying always and wear a face mask or breathing eqpt in enclosed areas. May cause allergic reactions to the skin. May cause the individual breathing difficulties if inhaled. Keep away from heat or hot surfaces. Keep away from sparks or sources of ignition. Use explosion -proof electrical/ventilating lighting/equipment. Remove contaminated clothing and wash material from skin and hair immediately. If consumed do not induce vomiting and seek medical assistance straight away.