TECHNICAL DATA

DATA SHEETS

Speedsil 2000 Concentrate

Code 107 **5 litres**
Code 116 **25 litres**

USE
For use in injecting a chemical damp proof course in masonry
PROPERTIES
Water based with solvent performance
Out performs siliconates and micros
Non- corrosive to equipment
Diluted material stable for 6 months
Low alkalinity-safer working conditions
Fast cure-prevents dissipation
Non-staining or salting
Odourless and non-flammable

DESCRIPTION
Speedsil 2000 DPC Injection Fluid is a concentrate which when mixed with water will form an aqueous solution specifically designed for use as a chemical DPC fluid, having the assurance of performance to the high standard already established for solvent based systems, with all the advantages of a water based product.
Based on a multi functional Siloxane, Speedsil 2000 will cross-link after application and will waterproof a wide variety of masonry materials. Speedsil 2000 forms a true solution in water for maximum penetration depth. It is easily injected into masonry forming a barrier against rising damp by lining the pores or capillaries of the substrate. Speedsil 2000 is non-caustic and non-corrosive, will not cause staining or salting - unlike siliconates. Solutions will remain stable for a minimum of 6 months, and are odourless and non-flammable. Speedsil 2000 is suitable for all types of pressure injection DPC work.

METHOD
Remove porous or damaged external plinths and cut any external rendering back to above the height of the proposed line for the insertion of the damp-proof course. Lower external ground levels where possible to internal floor level or below. Ensure that any plants, paths and glass are protected from spillage of the dpc fluid. Any spillage must be wiped up immediately!
Remove any timber skirtings. If sound they may be saved and reused following appropriate preservative treatment. Remove all plasterwork up to a height of at least 1 metre or to 300mm above the last evidence of dampness/salt contamination whichever is higher. Remove all timber fixing grounds in the damp areas and up to a height at least that of the line of replastering. Rake out mortar beds to a depth of 10-15mm ready for replastering and brush any loose dust from the surface of the wall to ensure a good key for the new plasterwork.

Drilling
Select the line for the injection of the damp-proof course. This must be not less than 150mm above external ground level. Internally it should be as close as possible to internal floor levels for solid floors. Where timber suspended floors are encountered the insertion should be below the joists/wall plates if possible. Where ground levels change or walls abut the main area for treatment the dpc line should be changed appropriately and vertical dpc's installed as appropriate. Where external ground levels are higher than internal floor levels these should be lowered. Alternatively the use of a tanking system may be employed, the tanking overlapping the injected dpc.

Brickwork: Drill two 10mm to 14mm holes at a slight downward angle approx two-thirds depth of the brick or through the brick to terminate in a mortar bed if mortar joint injection is required. The spacing should not exceed 170mm between holes. For walls of 115mm drill from 1 side only For walls of 225mm drill from each side or drill from one side about 75mm, inject and then drill a further 100mm and inject again. For walls in excess of 225mm drill in a stepped manner as above but preferably from both sides. For cavity walls treat each leaf as a separate wall. Where walls are considered to be very damp then it would be prudent to drill two rows of holes. Inject at low-pressure 5-50 psi this pressure should be varied to suit site conditions. Inject until the fluid begins be visible in the mortar beds but take care to ensure that sufficient fluid is entering the wall.

Mixing
Ensure injection pump is thoroughly cleaned out prior to use. Always ensure Speedsil 2000 is added to the water. Dilute 1 part Speedsil 2000 with 4 parts clean water by volume.
5 litres of concentrate makes 25 litres of ready to use product when mixed with water as above.

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Finishing
Plug the external dpc holes with a strong cement/sand mortar or plastic plugs. Leave walls as long as possible before replastering.

GENERAL
All replastering must be carried out strictly in accordance with Biokil Crown Replastering Specification
Following replastering all decorations should be regarded as 'temporary' for 9-12 months. It is strongly recommended that for this period a non-vinyl based emulsion paint is used.
Vinyl based and woodchip type wallpapers should not be used. During and following this period a good air circulation should be maintained around all damp-proofed replastered walls.

CONTENTS
Multi functional siloxanes.

COVERAGE
This depends on the type and thickness of the masonry being injected however a useful 'rule of thumb' is 2.5 litres of fluid to 1 metre of 230mm(9 inch) thick wall.

SAFETY
Read the product label for full safety data.
Risk of serious damage to eyes from concentrate, wear eye/ face protection when diluting (diluted product is not classified).
In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
Keep out of the reach of children.
Always clean equipment immediately after use with detergent and water.

PACKAGING
Speedsil 2000 is supplied in 5 litre and 25 litre containers.

STORAGE
Store in dry conditions, diluted material may be kept for 6 months. Undiluted Speedsil 2000 may be stored for 1 year.

GENERAL
Clean spills, runs and any residue while still wet with detergent and water, dry material may require methylated spirits to remove, always clean equipment immediately after use with detergent and water.

Physical Properties

Flash point	> 67 degrees C
Appearance	Clear Liquid
Vapour pressure	<0.70kpa
Solubility in water	Soluble
Specific Gravity	1.01
Volatiles	Ca <1%
Vapour Density (air =1)	>1

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