



# Protecto-Wallgard

Damproofing / Anti-fungal System

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## PRODUCT DATASHEET

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### ► Description:

Protecto-Wallgard coatings, when applied over walls and wooden structures (either clear or pigmented), form an elastic, abrasion resistant, anti fungal protective film that eliminates water seepage. If required, decorative paints (solvent based or water based emulsions) can also be applied over them. They increase the life of the plastered/wooden surfaces, and do not allow paint to peel off. Their special formulation and inherent properties of the material retards growth of fungus and thereby reduces the frequency of re-painting considerably.

### ► Uses:

This system can be used on plastered walls, cement pointing, brick walls, stone walls, wooden doors and windows of bathrooms/toilets and houses

### ► Applications:

Protecto-Wallgard can be applied in two ways:

(a) As a coloured coating-by applying a mixture of Protecto-Wallgard 10 and Protecto-Wallgard 30 over the surface. These coatings have good ultraviolet resistance and are used for outdoor as well as indoor damproofing applications.

(b) As a transparent coating-by applying only Protecto-Wallgard 10 over the surface. Transparent Protecto-Wallgard 10 coatings have excellent antifungal properties together with damproofing properties and are highly recommended for anti-fungal applications. They are, however, not recommended for applications requiring direct exposure to sunlight unless an additional coat to paint (either polyurethane or oil or cement based) is applied over them.

In both cases the surface should be dry and all loose particles should be removed by wire brushing and sand papering.

Any oil or grease on the surface should be removed by means of de-greasing solvents or emulsifiers. For plastered walls all cracks and joints should be filled up with Ezefil crack/joint filling compound.

## ► Properties:

### Physical Properties:

Colour	Protecto-Wallgard 10 (Clear) Protecto-Wallgard 30 (Coloured)
Mixing Ratio	Protecto-Wallgard 10:30 = 2:1
Pot Life (25 C)	Approximate 1 hour
Coverage	<ul style="list-style-type: none"><li>• Smooth Surfaces: 90-110 sq. ft/kg</li><li>• Rough Surfaces: 80-100 sq. ft/kg</li><li>• Porous Surfaces: 50-70 sq.ft/kg</li></ul>
Tensile Strength IS 2508	150 kg/sq.cm
Flexibility IS 101	Does not crack at all working temperatures - highly flexible
Abrasion resistance	0.1 (gms/1000 cycles)

### Anti Fungal Properties:

Test Organism	Zone of inhibition	
	Uncoated block	Coated block
<u>Bacteria:</u>		
• S aureus	0	30
• B.subtilis	0	30
<u>Fungi:</u>		
• A.niger	0	28
• Penicillium spp	0	54

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