

## BUILDPEL SS

### Silane/ Siloxene based water repellent

**DESCRIPTION :** BUILDPEL SS is a clear Organo Silane based eco friendly water soluble water proofing agent. Nano sized BUILDPEL SS penetrates deeply into the substrate provides repellency into cementitious pores ( 5-200nm )

**USES :** When mineral building materials come in contact with water, they absorb varying amounts of moisture, depending upon their porosity. This can result in damage to the buildings, whose exterior walls like brickwork, concrete, cement rendering, natural cast stone, have been left unprotected. BUILDPEL SS is the ideal material.

#### STANDARD COMPLIANCE

Tested to IS 12027 1987, IS 12054-1987, IS 3067-1987, IS 13182-1991

#### FEATURES

- ❖ Ready-to-use by brush or spray directly from container
- ❖ UV & Thermal stability ( 20 + years )
- ❖ Equally effective on new or old surfaces
- ❖ Inhibits dampness on walls, crack formation due to frost
- ❖ Self cleaning reduces unsightly staining, unaffected by salt laden atmosphere
- ❖ Reduces risk of efflorescence, lime erosion, rust staining, dirt collection, formation of mildew, moss and lichen.
- ❖ Inhibits aggressive action of de-icing salts
- ❖ Maintains natural colour / texture of the substrate. Allows surface to breathe.

#### METHOD OF APPLICATION

Surface preparation : Surface should preferably be dry, although slight surface moisture is not detrimental. Surface must be free from oil, grease, loose particles, decayed matter and moss or algae growth. Jobs in brickwork must be sound, if not; they should be raked and repainted with sand : cement mortar by using our BUILDCRETE. While applying by spray machine, ensure that the equipment should be low pressure one.

Brushes or equipments should be cleaned with kerosene and hardened material should be removed mechanically.

BUILDPEL SS provides very high impermeability against water, salt solutions, dust and soot particles. It arrests leaching of soluble salts from brick work, which cause efflorescence and absorption of de-icing salts by concrete, which causes degradation etc. BUILDPEL SS impregnation allows the building surfaces to "breathe".

#### TECHNICAL DATA

**BUILDPEL SS** is an organo silane based liquid and is used as a water repellent impregnating agent.

Specific gravity at 25 ° C	:	1.07 ± 0.02
Flash point	:	>100 ° C
Form	:	Liquid
Colour	:	Pale Yellow
Shelf life	:	Two year in unopened containers
Coverage/Consumption	:	3-4 sq.mtr. per ltr. in single coat depending upon porosity of substrate.

#### Packing

#### Storage

#### Health & Safety

#### Application

#### Performance of BUILDPEL SS

#### Property

Penetration size  
 Waterproofing Mechanism

Breathability  
 Depth of Penetration (mm )  
 Fungus/ Mildew protection  
 Micro-cracks  
 Durability

Prevents ingress of water provided there is no hydrostatic pressure

#### Performance

4-6nm  
 Water repellency by nano level hydrophobation  
 UV Stability Stable  
 Breathable  
 upto 5mm  
 Excellent Corrosion Long term protection  
 Long term protection  
 10+ years