

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

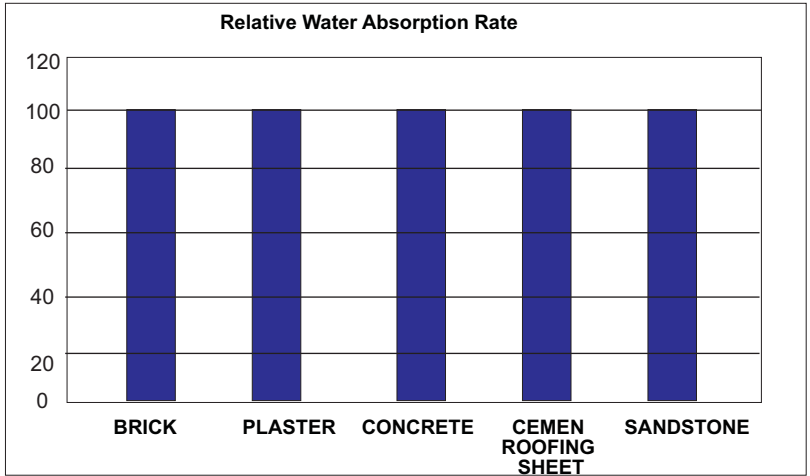
FEATURES

- ❖ 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”. **BUILDPEL - SS** to be diluted with water at the ratio of 1 : 9 just prior to the application. Use the diluted material within 48 hours. Do not store. Application of **BUILDPEL SS** should not be stopped halfway.



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	:	25 ltrs. & 5 ltrs. containers
Storage	:	Store in a cool dry place. (15° - 45°C)
Health & Safety	:	Highly inflammable. Avoid contact with skin.
Application	:	Generally two coats by brush or spray

Performance of BUILDPEL SS

Property		Performance
Penetration size		4-6nm
Waterproofing Mechanism		Water repellency by nano level hydrophobation
Breathability		UV Stability Stable
Depth of Penetration (mm)		Breathable
Fungus/ Mildew protection		upto 5mm
Micro-cracks		Excellent Corrosion Long term protection
Durability		Long term protection
Prevents ingress of water provided there is no hydrostatic pressure		10+ years