

ROOF-SEAL

FLEXIBLE CEMENTITIOUS WATERPROOFING SYSTEM

ROOF-SEAL is a two part cement based polymer modified highly flexible, elastic waterproofing coating. Its resilient property makes it suitable to take care of liner movement of the concrete surface due to expansion and contraction. Cement being a universal inorganic binder with enhances characteristic of polymer makes the coating monolithic with the substrate. It is water-resistant and is suitable for water proofing of large surface area like horizontal and slopply roof terraces.

BENEFITS

- ❖ Easy to apply by trowel or hard brush
- ❖ Excellent bonding to porous and non-porous surface
- ❖ Forms tough & elastic membrane on 1.0 to 1.5mm thickness
- ❖ Wear & tear resistance-hence suitable for pedestrian traffic
- ❖ Breathable: allows substrate to breathe.
- ❖ Water resistant & weatherproof – does not allow water to enter.
- ❖ Resistant to carbon dioxide and chloride ion diffusion
- ❖ Forms an anti carbonation coating
- ❖ Self curing type does not require external curing with water
- ❖ Nontoxic, suitable for contact with potable water
- ❖ Resists hydrostatic pressure of water upto 7 bars
- ❖ UV and weather resistant.

END USES

ROOF-SEAL is suggested for waterproofing of building roof, terraces where maximum movements due to expansion & contraction are expected. Waterproof coating for water retaining wall & water reservoirs, waterproofing of seawater channels and industrial gutters.

TYPICAL PROPERTIES

Appearance & Color	Part – 1 White milky liquid. Part – 2 Whit/Gray Powder
Mixing Ration	Part 1: Part-2 1:2 by wt.
pH value of the mix	7-8
Viscosity of the mix	Free flowing paste
Application time @ 30° C	Use the material within 1-2 hours of open air
Hard dry time 30° C	Within 24 hours in open air
Complete curing time @ 30° C	3 days
Color available	Grey & white
Coverage	Approx. 1.5 kg/M ² 1mm thickness
Service Temp. range	Not affected by cold and frost. Can resists high temp. upto 80° C

DIRECTIONS FOR USE

SURFACE PREPARATION

Surface preparation is very important to get the best results and to avoid any failure. The surface must be clean and free of grease, dirt, sludge, fungus and any type of cement coating blistered and loose plaster. It has the Surface should be damped with water prior to application of **ROOF-SEAL**. Do not apply in rain.

MIXING

Mix the individual packs in their own containers thoroughly. Add part – 1 (powder) into part – 2 (liquid) and mix manually until a homogenous free flowing pasty, lumps free slurry is obtained.

CHEMPROTECT ENGINEERS

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APPLICATION

Pre-wet the substrate after surface preparation. Allow it to semidry. Apply the mixed material by hard brush or trowel to a given coverage to get uniform film buildup. Single coat application is sufficient because you get 1 mm thickness. Second coat application can be given with fiber mesh reinforced to achieve very tough coating, if required.

PRECAUTION

Do not apply over hot or dry surface.
Do not apply in rain.
Do not dilute with water
Nontoxic, but wearing of hand gloves & goggles are recommended.

CLEANING

Tools and equipment's to be cleaned with water when the material is in uncured state.

STORAGE & SHELF LIFE

Store in cool and dry place, away from direct sun light. Shelf life is one year in unopened packs, stored as mention.

PACKING

3, 15, 30 Kgs.

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