



CLASSICCRYSTALSYS

Single Part Crystalline Waterproofing Coating

DESCRIPTION

Classic Crystalsys is a pre-packed, single part system in powder form, based on selected cements fillers and chemical additives, which when mixed with the correct quantity of water, produces a mortar that can be easily brush applied to well prepared, sound substrates to provide an extremely tough, durable waterproof render, 2-3 mm thick.

PROPERTIES

Classic Crystalsys's active ingredients combine with the water and free calcium in the substrate to form insoluble crystals, which block the capillaries and prevent the ingress of water. It becomes an integral part of the structure to which it is applied and its chemical action is re-activated if further water appears.

Classic Crystalsys is non-toxic and can be used on both internal and external surfaces. It has an excellent adhesion to the substrates, is extremely durable and resistant to alkalis. *Classic Crystalsys* has a degree of elasticity, which will take up some surface movements.

PACK

25 kg and 5 kg bag.

COVERAGE

1 to 1.5 kg / sq.m. of *Classic Crystalsys* powder per coat. Two or three coats are recommended.

INSTRUCTIONS FOR USE

Mixing

Classic Crystalsys should be preferably mixed mechanically by using an electric drill with paddle attachment. 8 to 9 litres of water is taken in a container and 25 kg of *Classic Crystalsys* powder is added steadily whilst mixing continuously, until a creamy, homogeneous, lump free mix is obtained.

Priming

The prepared substrate surface should be thoroughly dampened with clean water to minimize suction, ensuring there is no surface water present prior to application of *Classic Crystalsys*.

Application

Classic Crystalsys should be applied to the dampened substrate by brush application. Wherever possible, **Classic Crystalsys** should be applied on the water pressure side of the structure. After a suitable cure period, 1 or 2 further uniform coats should be applied, dependant on water pressure, or SETSEAL TANKING may be applied, depending on conditions. **Classic Crystalsys** should still be 'green' at the overcoating stage. If the material has cured, it must be thoroughly re-wetted, with all free water removed prior to overcoating.

- a) Two to three coats of **Classic Crystalsys** will be satisfactory to resist water ingress and protect against damp conditions.
- b) Where hydrostatic pressure exists, a brush coat of **Classic Crystalsys** should be applied as a primer, followed by one to two coats of 5mm thick trowel applied **Classic Tankscreed** (see appropriate data sheet).

Working Time

Classic Crystalsys has a working time of approximately 20 minutes at 30°C.

Mixed material should not be left standing for any length of time prior to application as this will considerably shorten its working life and may lead to flash setting.

Curing

Classic Crystalsys range of waterproofing systems is cement-based products and in common with all such materials must be cured in accordance with good concrete practice. The use of a sprayed on curing aid such as curing compound or wet hessian combined with polythene sheeting is recommended to prevent rapid drying, especially during the early stages of curing.

The system should be allowed to cure for a minimum of 5 days at 20°C before subjecting to full service.

PRECAUTION

Classic Crystalsys range of waterproofing systems should not be placed when the substrate or ambient temperature is 5°C or less. They should be protected from frost. Maximum recommended water quantity should not be used. These products will not suppress rising dampness

STORAGE LIFE

Classic Crystalsys has a shelf life of 6 months when stored unopened in original sealed bags under shade in dry conditions.

ADDITIONAL INFORMATION

SETSEAL can be over coated or rendered with other decorative products *from Primadon Construction Products Pvt. Ltd.*



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