

## COATING & FOAMING INC

### CF CRYSTALSEAL Technical Specification and Method statement

#### WATERPROOFING WITH INTERGRAL AND SURFACE APPLIED IN DEPTH CRYSTALIZATION TREATMENT

1) Dry Shake on raft slab bottom side :

Provide and apply **CF CRYSTALSEAL** crystallisation based waterproofing system by way of **dry sprinkling** powder at the approx. dosage rate of 1 Kg per Sq.Mt. immediately prior to placement of the raft slab concrete.

- Base preparation including cleaning and wire-brushing the surface.
- Plugging / grouting and leaking points on the PCC with **CF BOND GROUT/ CF PLUG** Specialised fast setting non-shrink cementitious waterproof mortar/ compound.
- Treating all construction joints of the RCC Raft by applying the **CF CRYSTALSEAL** slurry Catalytic in-depth Crystalline Waterproofing Compound on the construction joint between two concrete pours.
- Treatment of joints between the PCC and Raft along the periphery of the raft by making a wata with fast setting non-shrink cementitious CF Polymer waterproof mortar / compound.
- Treatment of vertical surface of raft by applying **CF CRYSTALSEAL** slurry Catalytic in-depth Crystalline Waterproofing Compound.
- Repairing any leaking honeycombs on the RCC Raft surface with fast setting non-shrink Cementitious CF Polymer waterproof mortar / grouting.

2) **Retaining Wall – External Face :**

**Wet Slurry application:** **CF CRYSTALSEAL** slurry is to be applied over the external surface, or, in case access is not available to treat the external face, then, it can alternatively be applied to the internal face of the retaining wall as slurry in total dosage rate of approx.1 Kg per Sq.Mt. and cured for atleast 3 days. **CF CRYSTALSEAL** shall be applied as soon as deshuttering of the wall is done. Construction joints in the slab & wall, tie rod holes, etc shall also be grouted & sealed using cement slurry grout, admixed with expandable grout additive or as shall also be applied to the vertical surfaces of the construction joints in the raft slab in the form of slurry at the dosage rate of 1 Kg per Sq.Mt. in 1 coat immediately prior to placement of the adjoining concrete of the raft slab.

- Base preparation including cleaning and wire-brushing the wall surface and washing.
- Cutting V shaped groove of size approx 20mm wide and 12 mm deep along the construction joints, both vertically and horizontally, with mechanical or manual chipping tools.
- Filling this groove upto surface with approved **CF BOND GROUT** non-shrink cementations waterproof mortar / compound after application of **CF CRYSTALSEAL** slurry Catalytic in-depth Crystalline Waterproofing slurry into the cavity.
- Treating surface honeycombs and surface crack by removing unsound concrete up to sound concrete and filling it with CF – Bond Grout / Polymer specialised non-shrink cementations waterproof mortar / compound.
- Treating tie holes on the retaining wall by removing any left over PVC Pipe and grouting the entire depth of the tie-hole with CF Bond Grout / Polymer specialised non-shrink cementations waterproof mortar / compound in the entire depth of the tie hole after application of **CF CRYSTALSEAL** slurry Catalytic in-depth Crystalline Waterproofing Compound slurry into the cavity.
- Applying the **CF CRYSTALSEAL** slurry Catalytic in-depth Crystalline Waterproofing Compound and curing thereof on the entire RCC retaining wall from outside / vertical surface of the footing /raft.
- Plugging / grouting any minor leakages that occure on the RCC retaining surface front the inside.