



## **METHODOLOGY FOR NEW TERRACE**

### **System 1 with STARBOND STARCEM 2K**

#### **1. SURFACE PREPARATION**

The surface to be coated must be solid and clean, free of all traces of coatings, efflorescence, loose particles, grease, oil, de-molding agents, dust, gypsum plaster, etc. Chisel all the unwanted / dead concrete and clean the entire surface by using wire brush.

#### **2. TREATMENT OF CRITICAL AND WEAK POINTS /JUNCTIONS**

Critical points include passing pipes, concave corners, rock anchoring, cold joints and non-active fissures/cracks and active fissures/cracks. Because of the fact that these points are a break in concrete continuity, where leaks may occurs, special treatment system must be applied.

#### **3. GROUTING & CRACK FILLING**

The construction joints in the PCC and retaining walls will be chiseled and groove shall be prepared. The groove shall then be filled with a putty of Polymer Modified Mortar comprising of Cement, Sand & **STARBOND SBR SUPER**. Grouting will be done at all critical locations with a mixture of CEMENTITIOUS POWDER GROUT & cement in a proportion of 250 gms CEMENTITIOUS POWDER GROUT ADITIVE to be dry mixed with 50kgs grey cement bag. Once grouting is done seal the holes with fast setting plugging compound i.e. **STARFIX PLUG**.

#### **4. DRESSING OF JUNCTION AND CORNERS (WATTA MAKING)**

Any corner or concrete slab-wall joint/junction should be opened with a chisel to a size of 3 x 3 cm, avoiding “V” shape and fill the groove with Polymer Modified Mortar. These grooves should be finished in a shape of a cove to provide a smooth edge.

#### **5. COATING APPLICATION**

After surface preparation pre-wet the surface with sufficient water. Mix Part I (Powder) gradually in Part II (Liquid) using a mechanical stirrer. Mixing should be done for about 3 minutes till a homogenous mix; free from any lumps is obtained. Apply two coats of **STARCEM 2K** using a short, stiff bristle brush. It can also be applied by a trowel. Care should be taken to see that layers of more than 2kg/Sqm (1mm thickness) are avoided, as higher thickness tends to provoke cracks in the system. The second coat to be applied after 8-10 hours or after the previous coating has dried. Consumption of the material shall be 1.8 kg/sq.mtr/2 coats. Allow it to cure for 24 hours.

Finally proceed for brick bat coba or 15mm thick screed

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## **System 2 with STARPROOF WF MB 602**

### **1. SURFACE PREPARATION**

The surface to be coated must be solid and clean, free of all traces of coatings, efflorescence, loose particles, grease, oil, de-molding agents, dust, gypsum plaster, etc. Chisel all the unwanted / dead concrete and clean the entire surface by using wire brush.

### **2. TREATMENT OF CRITICAL AND WEAK POINTS /JUNCTIONS**

Critical points include passing pipes, concave corners, rock anchoring, cold joints and non-active fissures/cracks and active fissures/cracks. Because of the fact that these points are a break in concrete continuity, where leaks may occurs, special treatment system must be applied.

### **3. GROUTING & CRACK FILLING**

The construction joints in the PCC and retaining walls will be chiseled and groove shall be prepared. The groove shall then be filled with a putty of Polymer Modified Mortar comprising of Cement, Sand & **STARBOND SBR SUPER**. Grouting will be done at all critical locations with a mixture of CEMENTITIOUS POWDER GROUT & cement in a proportion of 250 gms CEMENTITIOUS POWDER GROUT ADITIVE to be dry mixed with 50kgs grey cement bag. Once grouting is done seal the holes and cracks with STARFIX ACF 609

### **4. DRESSING OF JUNCTION AND CORNERS (WATTA MAKING)**

Any corner or concrete slab-wall joint/junction should be opened with a chisel to a size of 3 x 3 cm, avoiding “V” shape and fill the groove with Polymer Modified Mortar. These grooves should be finished in a shape of a cove to provide a smooth edge.

### **5. PRIME COAT**

Applying one coat of **STARPROOF SUPER PRIME** (Acrylic Based Deep impregnating primer) on the entire surface of the external walls. Curing would be made by drying until 4 hrs. is attained prior to the succeeding coat to be applied.

### **6. COATING**

After complete drying of the primer and bonded areas, Apply 2 coats of **STARPROOF WF MB 602** with brush, roller or spray gun. A brush with horse hair bristles will provide almost texture-free, smooth surfaces. Dilution up to 20% for 1st coat and 10% for 2nd coat is allowable.

Note: Each coat shall have an interval time of 6-8 hrs for curing.

### **7. COVERAGE**

Coverage depend upon the nature of the surface to be applied.

But on average, smooth surface will give  $16 \pm 3$  sq ft per kg for a 2 coat application. Two coats will give approximately 450 to 500 microns dry film thickness.

### **8. Providing a layer of IPS for protection and Slope**

Once the coating is cured lay 40 mm IPS mix with fibres and integral waterproofing compound i.e **STARBOND AM LG 20**, so as to protect the coating and to maintain some slope.

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## **System 3 with STARBOND STARCRETE**

### **1. SURFACE PREPARATION**

The surface to be coated must be solid and clean, free of all traces of coatings, efflorescence, loose particles, grease, oil, de-molding agents, dust, gypsum plaster, etc. Chisel all the unwanted / dead concrete and clean the entire surface by using wire brush.

### **2. TREATMENT OF CRITICAL AND WEAK POINTS /JUNCTIONS**

Critical points include passing pipes, concave corners, rock anchoring, cold joints and non-active fissures/cracks and active fissures/cracks. Because of the fact that these points are a break in concrete continuity, where leaks may occurs, special treatment system must be applied.

### **3. GROUTING & CRACK FILLING**

The construction joints in the PCC and retaining walls will be chiseled and groove shall be prepared. The groove shall then be filled with a putty of Polymer Modified Mortar comprising of Cement, Sand & **STARBOND SBR SUPER**. Grouting will be done at all critical locations with a mixture of CEMENTITIOUS POWDER GROUT & cement in a proportion of 250 gms CEMENTITIOUS POWDER GROUT ADITIVE to be dry mixed with 50kgs grey cement bag. Once grouting is done seal the holes with fast setting plugging compound i.e. **STARFIX PLUG**.

### **4. DRESSING OF JUNCTION AND CORNERS (WATTA MAKING)**

Any corner or concrete slab-wall joint/junction should be opened with a chisel to a size of 3 x 3 cm, avoiding “V” shape and fill the groove with Polymer Modified Mortar. These grooves should be finished in a shape of a cove to provide a smooth edge.

### **5. COATING**

After surface preparation pre-wet the surface with sufficient water. Allow the surface to dry for minimum an hour. Mix 1 kg of STARCRETE with 1 kg of water, then add 3 kg. Of OPC cement. Apply two coats of the mix by brush and allow it to dry before application of second coat. One lit of the mix covers approximately 2.5-3 Sqm in two coats. The coating shall done upto a height of parafit walls Interval between 2 coats shall be 2-3 hours.

Finally proceed for brick bat coba or 15mm thick screed

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