

## ConFlex 515

Two Component Acrylic Re-enforced  
Cementitious Waterproofing &  
Protective Coating

### DESCRIPTION

ConFlex 515 is a two component waterproofing & protective coating, consisting of a cementitious powder and a specially formulated acrylic polymer modified solution. When ConFlex 515 Powder is mixed with ConFlex 515 solution to a lump-free consistency it provides a waterproof coating that is easily applied by brush or roller to concrete and masonry above and below ground level.

### USES

- Waterproofing of concrete structures in industrial, commercial and residential buildings.
- Waterproofing & Protective Coating of Retaining walls from both positive & negative sides.
- Waterproofing and Protective coating for brick, block, stucco, unglazed terra Cota, Roof & Terraces
- Potable Water Tanks & Reservoirs
- Swimming pools
- Tunnels & Lift pits
- Concrete pipes
- Shower walls and floors prior to tiling

### ADVANTAGES

- Easy application
- Great curing efficiency
- Eliminates the need for water curing
- Reduces plastic cracking
- Ensures desired strengths
- Minimizes drying shrinkage
- Reduces dust
- Reduces labor cost

### PACKAGING

ConFlex 515 is available in 20 Kg Pack.  
Cementitious Powder = 15 Kgs.  
Acrylic Polymer Liquid = 5 Kgs.

### TECHNICAL SPECIFICATIONS

Appearance	Powder : Grey Liquid : Milky White
Pot Life	At 20°C 60 minutes At 35°C 30 minutes
Density	1.82 Kg./Ltr.
Compressive Strength	40-45 N/ mm <sup>2</sup> at 28 days
Tensile Strength	3.7 N/ mm <sup>2</sup> at 28 days
Flexural Strength	7.6 N/ mm <sup>2</sup> at 28 days
Adhesion Strength	2.5 N/ mm <sup>2</sup> at 28 days
Coverage	2 Kgs. Per m <sup>2</sup> (2 Coats) 1 mm thickness
Storage Condition	Store in a cool dry area between 5 <sup>0</sup> C & 35 <sup>0</sup> C
Shelf Life	Shelf life is up to 12 months from the production date, when stored in covered and out of direct sunlight area.

### INSTRUCTIONS FOR USE

#### Surface Preparations

Surfaces to be waterproofed must be completely clean and structurally sound. All surface coatings, defective renders, foreign matter, formwork treatments and other contaminants that may affect the bond adversely should be removed.

Surfaces should be prepared by abrasive blasting or high-pressure water treatment. Do not use scabbling or any other aggressive method. Finally the surface should be washed with clean water to remove all dust and loose particles.

### **Mixing**

**ConFlex 515** is supplied in pre measured units and should be mixed on site utilizing clean containers and a mixture machine with suitable paddle.

**Power Mixing:** Shake well the liquid component and pour it into a suitable clean mixing vessel. Gradually start addition of powder component under constant mixing with electrically operated machine paddle in a slow speed. Let the mix stand for 4-5 minutes to achieve a homogeneous and uniform free flowing slurry.

**Hand Mixing:** For small batches, add the powder to liquid whilst stirring with a trowel or paddle.

### **Consistency**

The material should be mixed to a thick, creamy, lump-free consistency that will just support the weight of the stiff brush. Mixed material must be used within 45-60 minutes at 20°C. Do not re-temper the mix.

### **APPLICATION**

Always apply to a pre-dampened surface using a stiff-fibred brush. High suction substrates will require more dampening than dense substrates.

**1st Coat:** Apply a first coat of **ConFlex 515** at a minimum rate of 1 kg./- m<sup>2</sup>. This coat should be brushed well into the surface. Care should be taken not to spread the material too thin. Finish in one direction only for a neat appearance. If the brush begins to drag during application, dampen the surface again. Allow at least an overnight cure before applying the second coat. Apply the second coat when the

first coat is sound enough to receive it without damage.

**Second Coat:** Apply the second coat at a minimum rate of 1kg/m<sup>2</sup>. This can be applied by brush, broom or spray. If there condensation on the wall, remove the excess moisture with a sponge. If the wall is too dry, dampen it with a sponge or fog-spray.

### **CURING**

It's a self-curing waterproof coating. 3-5 days are enough to get it fully dry and cured. In cold, humid or unventilated areas, it may be necessary to leave the application for a longer curing period or to introduce forced air movement.

### **HANDLING & STORAGE:**

**ConFlex 515** has a shelf life of 12 months if kept in a dry cool place in the original packing.

### **HEALTH & SAFETY PRECAUTIONS:**

Where temperatures is less than 5<sup>0</sup> C or greater than 40<sup>0</sup> C are encountered, contact our Technical Staff. **ConFlex 515**, is of low hazard. Protective gloves, goggles and clothing should be worn. Any contact with eyes or skin should be washed off with soap and clean water. Where this occurs, seek medical advice before continuing use.

### **Important Note:**

**RADIANT Construction Technologies** manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.