



Structural Systems

## QUANTOM® EPR 1331

Water proofing material for permanent sealing of concrete surfaces

Water Proofing

**QUANTOM® EPR 1331** is a perfect permanent water sealing system with excellent adhesion to concrete and other mineral construction materials surfaces. It is two component acrylic modified cement based coating consisting of:

**Bonding agent:** Styrene-acrylate copolymer used to form waterproofing membranes.

**Filler:** Cement based powder modified with chemical additives to provide strength.

### WHERE TO USE

QUANTOM® EPR 1331 is a high strength protective coating, also good flexible material which withstand constructional movements. Dried film is stiff enough to accept final finishing such as tiling and other coatings. Easy application method of this product makes it suitable to be used in water proofing of:

- Foundations.
- Water tanks and reservoirs.
- Cement based pipes.
- Dams surfaces.
- Water channels and galleries.
- Industrial kitchens.
- Bath rooms and services.
- Swimming pools.

### ADVANTAGES

- Flexible after drying.
- Excellent adhesion to constructional materials.
- Allow substrate to breathe.
- Easy to mix and apply.
- Provides non-porous surface.
- Anti-carbonation and high resistance to chloride ion diffusion at 1 mm layer.
- Non-toxic, suitable for contact with potable water.
- Low odor and user friendly.
- Strong enough to be used as final coating.
- Becomes an integral part of substrate.

### HOW TO USE

#### Surface preparation

The substrate must be sound and free of loose particles. Remove dust, laitance, oil, grease, curing compounds, waxes, disintegrated and other bond inhibiting materials from the surface. Surface can be prepared by blasting methods or water jetting. Substrate must be damped but free from standing water before application.

## Technical information

Description	Value
Appearance	Bonding agent: Milky liquid Filler: Gray powder
Chloride content	Nil
Toxicity	Not-toxic
Standard	BS 1881, 1998
Specific gravity	1.940 kg./l (mixed)

**Mixing:**

QUANTOM® EPR 1331 is supplied in pre-weighted packages and requires mixing at job site, slowly add the powder to liquid and mix, using a low speed drill fitted with a suitable paddle. Mix that quantity to be used within 30 minutes. For partial mixing add two parts of filler to one part (by volume) of liquid and mix them thoroughly. Keep mixed during application.

**Application method:**

QUANTOM® EPR 1331 can be applied by means of a short stiff bristle brush, high pressure spray gun, or roller. Trowel application can be undertaken as necessary. For heavy depression surface or honeycomb filling, use more powder in the mix to achieve desired consistency. If application layer thickness exceeds 10 mm, apply the second layer after the previous one has dried.

**Cleaning:**

All tools and equipment should be washed with water after each job or before break time. Cured material can only be removed mechanically.

**Storage/Shelf life:**

Store out of direct sunlight on pallets, and protect from extreme compaction and rain fall. The shelf life for originally unopened package is 12 months from date of production.

**Packaging:**

QUANTOM® EPR 1331 is available in 30 Kg. double packs. Each pack consist of 8 kg Latex & 22 kg Filler

**Safety precautions:**

QUANTOM® EPR 1331 is not a dangerous product, but while working with any chemical material use personal safety devices such as gloves and goggles. If contacted with eyes or mucous membrane, wash immediately with water and seek medical attention.