



PLASTCONE AP90

Integral waterproofing powder additive for concrete and mortar

Description

PLASTCONE AP90 powder is a fine, white powder ready for use with concrete or cement mortar mixes. **PLASTCONE AP90** powder is a traditional admixture to fill natural pores within the concrete or mortar matrix to reduce porosity and improve water tightness.

Advantages

- **Easy to use**- Simple application familiar to site operations
- **High Quality**- Traditional waterproofing material manufactured to latest standards.
- **Workability** - Improves workability

Uses

- To reduce permeability of concrete and sand/cement mortar for use in basements, roof slabs and screeds, water retaining structures, external plastering, bathrooms and balconies.

Properties

- **Chloride content:** NIL
- **Compatibility with cements:** Can be used with all cements including Pozzolanic cements
- **Permeability to water:** Has very low permeability when compared to the reference sample without waterproof
- **Compressive strength:** **PLASTCONE AP90** powder has no particular effect on the compressive strength of concrete or sand/cement mortar

Where to Use

- Mortar – PLASTCONE AP90 powder is suitable for use with sand/cement mortars where it is required to reduce permeability. It can also be used in external plastering of roof and balcony screeds, plastering of basements and tanks, external masonry walls.
- Concrete – PLASTCONE AP90 powder is recommended for use with concrete mixes where it is required to reduce permeability.

Note: Where water bleeding or segregation proves difficult to overcome, or in mass pours where maximum economy and efficiency of compaction and water tightness is essential. PLASTCONE AW liquid waterproofing compound is recommended. Separate data on this product is available from REDWOP on request

Application Instruction

Dosage:

- With normal concrete and sand/cement mortar mixes use 1 kg of PLASTCONE AP90 powder for every 50 kg bag of cement. Hand mixing
- Measure out the required quantity of sand/aggregate followed by the cement.
- Sprinkle the correct quantity of PLASTCONE AP90 powder evenly over the cement.
- Mix the dry materials until an even colour is obtained.
- Add the normal measured quantity of water and mix as usual.

Machine mixing

- Add the measured quantity of sand/aggregate into the drum and mix continuously.
- Add the cement and sprinkle-in-the correct quantity of PLASTCONE AP90 powder at the same time.
- Mix the dry materials for at least 2 minutes.
- Add the normal measured quantity of water and mix to completion.

Packaging

- PLASTCONE AP90 powder is supplied in 1 and 25 kg bags.

Storage

- PLASTCONE AP90 powder has a minimum shelf life of 12 months in unopened packs when stored under normal warehouse conditions.

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