



constructive solutions

Conplast® WP90 Powder

Integral waterproofing powder additive for concrete and mortar

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.

Advantages

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

Standards compliance

Conplast WP90 powder conforms to IS:2645 - 2003 and is certified by the Bureau of Indian Standards.

Description

Conplast WP90 powder is a fine, white powder ready for use with concrete or cement mortar mixes. Conplast WP90 powder is a traditional admixture to fill natural pores within the concrete or mortar matrix to reduce porosity and improve water tightness.

Technical Support

Fosroc offers a comprehensive range of high performance, high quality concrete repair and construction products. In addition, Fosroc offers technical support service to specifiers, end-users and contractors, as well as on - site technical assistance in locations all over the country.

Properties

Chloride content	As per IS:2645-2003.
Compatibility with cements	Can be used with all cements including Pozzolonic cements
Permeability to water	Has very low permeability when compared to the reference sample without waterproofer

Setting Time

Conplast WP90 powder conforms to IS:2645 - 2003 for initial and final set of concrete

Compressive strength

Conplast WP90 powder has no particular effect on the compressive strength of concrete or sand/cement mortar

Where to use

Mortar - Conplast WP90 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 - Conplast WP90 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. Conplast X4211C liquid waterproofing compound is recommended. Separate data on this product is available from Fosroc on request.

Application instructions

Dosage

With normal concrete and sand/cement mortar mixes use 1 kg of Conplast WP90 Powder for every 50 kg bag of cement.

Hand mixing

- 1 Measure out the required quantity of sand/aggregate followed by the cement.
- 2 Sprinkle the correct quantity of Conplast WP90 powder evenly over the cement.
- 3 Mix the dry materials until an even colour is obtained.
- 4 Add the normal measured quantity of water and mix as usual.

Machine mixing

1. Add the measured quantity of sand/ aggregate into the drum and mix continuously.
2. Add the cement and sprinkle-in-the correct quantity of Conplast WP90 powder at the same time.
3. Mix the dry materials for at least 2 minutes.
4. Add the normal measured quantity of water and mix to completion.

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Estimating

Packaging

Conplast WP90 powder is supplied in 1 and 25 kg bags.

Storage

Conplast WP90 powder has a minimum shelf life of 12 months in unopened packs when stored under normal warehouse conditions.

Precautions

Health and Safety instructions

Conplast WP90 powder is non-toxic and is not flammable. Use of gloves are recommended when handling Conplast WP90 powder. If accidental contact with eyes occur, wash well with water and seek immediate medical advice.

Additional information

Fosroc manufactures a wide range of complementary products which include :

- waterproofing membranes & waterstops
- joint sealants & filler boards
- cementitious & epoxy grouts
- specialised flooring materials

Fosroc additionally offers a comprehensive package of products specifically designed for the repair and refurbishment of damaged concrete. Fosroc's 'Systematic Approach' to concrete repair features the following :

- hand-placed repair mortars
- spray grade repair mortars
- fluid micro-concretes
- chemically resistant epoxy mortars
- anti-carbonation/anti-chloride protective coatings
- chemical and abrasion resistant coatings

For further information on any of the above, please consult your local Fosroc office - as below.

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Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.

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INDIA/2005/0110/E

