

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.

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/Characteristics:

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

Product Standard Compliance:

- IS 2645:2003

Company Standard Compliance:



Technical Information:

Properties	Specification
Appearance	A Fine White powder
Chloride Content (%)	<2.0

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
Initial Setting time (minute)	30 - 190
Final Setting Time (minute)	275 - 600
Compressive strength	PLASTCONE AP 90 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:

Recommended dosage of PLASTCONE AP90 powder is 2% by weight of total cementitious content. The optimum dosage of PLASTCONE AP90 to meet specific requirement should always be determined by conducting laboratory and batch trials.

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 supplied in 500gm, 1&15 kg bags.

Storage & Shelf-Life:

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

Health & Safety:

PLASTCONE AP90 powder is non-toxic and is not flammable.




Use of gloves are recommended when handling PLASTCONE AP90 powder.

If accidental contact with eyes occur, wash well with water and seek immediate medical advice.

Legal Notice:

The information, and, in particular, the recommendations relating to the application and end-use of Redwop products, are given in good faith based on Redwop's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Redwop's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Redwop reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

	It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.
	ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.
	ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.
	ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

	This symbol is used to identify Redwop products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.
	Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
	ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

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