



302 IWP

302 IWP is an integral waterproofing powder, designed especially for waterproofing performance of concrete, cement plaster and concrete masonry units (CMU's). It consists of water repelling compound and plasticisers with inert filler which reduces porosity & improve water tightness of concrete. It forms an integral part of a mix design thereby increases durability of concrete and mortar.



FEATURES/BENEFITS

- Corrosion resistant & Chloride free.
- Improves workability.
- Reduce permeability.
- Compatibility with all types & grades of cements.
- Economical

USES

- Typical Application
- Water retaining structures.
- Roof slabs and screeds.
- Cement based plaster/renders.
- Cement block rendering mortar.
- Bathroom and balconies.
- Precast and in-situ concrete mix.

MANUFACTURER

LATICRETE Middle East LLC.
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STANDARDS/CERTIFICATIONS

IS 2645-2003
KS 2259: 2012

Packaging:

Packing: 500 g & 25 kg

Consumption: 500 grams per 50 kg of Cement

Shelf Life: Factory sealed containers of this product are guaranteed to be of first quality for one year if stored off the ground in a dry area.

Limitations

- Do not mix 302 IWP Powder directly into gauging water.
- Do not add 302 IWP Powder in wet mix concrete/ mortar.
- Overdosage of 302 IWP Powder may result in higher workability, however it will not have adverse effect once cured properly.
- We recommend preliminary trial mix to establish required performance with other SCM's (supplementary cementitious materials) or other admixtures. Please consult our Laticrete Technical Department for further information.

Cautions

Consult SDS for more safety information.

Before using any LATICRETE product:

- Keep out of reach of children.
- Protect finished work until fully cured.
- Check enquiry@laticrete.com for any technical bulletins or updated information about the product and its application.
- Contact your local Technical Sales Representative with any questions.

TECHNICAL DATA**Physical/Working Properties**

Appearance	White , free flowing powder
Bulk Density, g/cc	0.8 – 1.0
*Setting time	Passes
*Water permeability	>50% reduction against control
*Chloride content	Nil

*Note: Tested in laboratory conditions at dosage: 500 gms 302 IWP Powder for 50 kg bag of cement. It complies to IS 2645 & KS 2259 specification. Technical data shown in LATICRETE® product data sheets and technical data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Specifications are subject to change without notification. Actual field performance will depend on installation methods and site conditions.

INSTALLATION**MIXING & APPLICATION****For small qty by hand mixing:**

- Add 302 IWP Powder into the dry mix of cement sand and mix evenly with spade.
- As per standard dosage, add 1% of 302 IWP by weight on cement qty.
- Add water as per designed W/C ratio and mix to a homogeneous & uniform consistency.

For large volume mixing in concrete mixer:

- Add Cement & sand as per the mix design into concrete mixer & mix for one minute.
- Add 302 IWP -Powder at 1% by weight of cement qty.
- Mix for one minute minimum for homogeneity.
- Add water as per designed W/C ratio and mix for 2-3 minutes to a uniform & cohesive mix.
- Place concrete/ mortar as per the end application.

Note: Always mix 302 IWP-Powder in dry mix.

Higher dosages upto 3% by weight of binder can be used depending on the mix design, raw materials, climatic condition, and concrete requirements.

Curing: Follow curing guidelines for concrete with water or wet hessian cloth or recommended curing compounds.

AVAILABILITY AND COST**Availability**

LATICRETE® materials are available worldwide.

For distributor information, please contact us by email at: enquiry@laticrete.com or, visit www.laticrete.com

Cost: Contact a LATICRETE® closer distributor to obtain complete information and cost.

WARRANTY

The supplier warrants this product will not deteriorate under normal conditions and use, the warranty validity of one (1) year. The product subject to the terms and conditions stated in the LATICRETE® Product Warranty. Please consult our technical support for further information.

TECHNICAL SERVICES

Technical assistance

For information contact us by email at:

enquiry@laticrete.com

Technical and safety literature

To obtain technical and safety literature, please visit our website at: www.laticrete.com

Warning: The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.
