

## SMARTBLOK IWC+200

### INTEGRAL WATERPROOFING COMPOUND SUITABLE FOR ALL TYPES OF CONCRETE & MORTAR



#### DESCRIPTION

**JSW Smart Blok IWC+ 200** is an integral liquid waterproofing compound composed of surface active plasticizers, polymers and additives. It minimizes the water permeability for cement mortar, concrete and plasters, and makes mortar/concrete cohesive. It can be easily dispersed with cement and water and makes it water-resistant, improving the quality of mortar and concrete. It reduces the water demand (6-8% reduction) with the required workability in mortar and concrete.

#### FEATURES AND ADVANTAGES

- Workability - Improves workability and cohesiveness of the mortar and concrete
- Reduces bleeding and segregation in mortar and concrete
- Compatibility - Being liquid, easily dispersible and compatible with mortar/concrete mixes
- Low Permeability - It reduces water penetration in mortar and concrete.
- Durability - Improves durability due to reduction in permeability (by improving cohesiveness in concrete), and hence protects steel against corrosion in a better way
- Shrinkage - Reduces shrinkage & crack developments in plaster and concrete

#### AREA OF APPLICATION

- Roof slabs
- Basements
- Screeds
- Bathroom floors
- Water retaining structures e.g. water tanks
- External & internal plastering
- Sumps and drains

#### METHOD OF APPLICATION

- Add cement and aggregate to the concrete mixer as per the mix design, mix in dry state for 1-2 minutes
- Start addition of 75-80% mixing water and mix for 2-3 minutes
- JSW IWC is added as per the recommended dosage in the remaining mixing/gauging water; then add to the concrete mixer and mix for another 2-3 minutes
- Place the concrete or apply plaster, as needed
- Cure the applied concrete or mortar as per good construction practices

#### PRECAUTIONS AND LIMITATIONS

- Do not add JSW IWC+200 directly to dry cement and aggregate mix
- Maintain water - cement ratio as low as possible
- Do not increase the dosage of JSW Smart Blok IWC+200 more than recommended

#### STANDARD COMPLIANCES

- IS: 2645-2003
- ASTM C494 Type A & D
- IS: 9103-1999

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### TECHNICAL DATA

PARAMETERS	RESULTS
Appearance	Free flowing liquid
Color	Dark brown
Sp. Gravity @ 27°C	1.08-1.13
Non-volatile content	23 ± 1
pH of mix	7-9
Setting time (minutes)	Passes
Water permeability	Passes
Compressive strength N/mm <sup>2</sup>	As per standard
Chloride content	0.02%

### DOSAGE

- 200 ml per 50 kg bag of cement
- Site trials shall be carried out to validate the optimum dosage
- Note: Mix using JSW Smart Blok IWC + 200 will require much less water than normal mix for the same workability. Water reduction may be as much as 6-8% or more. If the moisture content of the sand or aggregate changes i.e., it becomes wetter or dryer, then the amount of water used must be reduced or increased to give the original workability

### PACK SIZE

- 1, 5, 10, 20 & 50 litre HDPE containers

### BEST BEFORE

- Shelf life is 12 months from the date of manufacturing
- Store in cool and dry place in unopened condition. Prevent from direct sunlight

### SAFETY PRECAUTIONS

- Keep away from children
  - Wear suitable protective clothing, gloves and eyes/face protection
  - After contact with skin, wash immediately with plenty of clean water
  - In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice
- Limited to professional use only. For more details please refer the relevant material safety data sheet, available on request

**Disclaimer:** JSW Construction Chemical Dry Mix products are guaranteed against material and manufacturing defects. The product is sold as per standard terms and conditions of sales, copies which may be obtained on request. JSW's endeavor is to ensure correct and accurate information on product performance and recommended specifications as mentioned in literature, and still may have to abstain from circumstantial deviations which are beyond control due to human intervention, atmospheric conditions or natural calamities which may not be in accordance with any advice, specification, recommendation or information given by it.

### REGISTERED OFFICE

JSW Centre, Bandra Kurla Complex, Near MMRDA Grounds, Bandra East, Mumbai 400 051

### MARKETED BY:

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