

DONCRETE LW++

INTEGRAL CONCRETE & MORTAR WATERPROOFED

PRODUCT DETAILS

Conforming to IS: 2645

Integral Concrete & Mortar Waterproofer

- 1) **DESCRIPTION:** It is based on specially processed lingo sulphonate and additive and supplied as a brown liquid readily miscible with water. Concrete however well made is to some extent porous and water must be prevented from penetrating through capillary pores. The presence of water in hardened concrete can cause corrosion of reinforcement which is made severe by freezing and thawing of concrete containing absorbed moisture. Further deterioration can occur if the water penetrating the concrete contains dissolved aggressive salts.
- 2) **ADVANTAGES:**
 - Watertight structure, permeability is decreased through out the full depth of concrete.
 - Greater protection of reinforcement steel. Strength of the concrete is maintained.
 - Improved plasticity and cohesion aids easier placing, better compaction and finishing.
 - Chloride free admixture.
 - For all structural and pre-cast concrete.
 - Economical for mass concreting.
- 3) **PURPOSE:** To produce dense concrete with lower water absorption and reduced permeability.
- 4) **USES:** For effective and permanent waterproofing of water retaining structures, reinforcement concrete, pre-cast concrete and mortar.
- 5) **HOW TO SPECIFY:** All waterproof concrete shall have a minimum cement content of 300Kg. per cubic metre and **DONCRETE-LW++** shall be used at a dosage rate of 0.15L per 50Kg.cement in accordance with the instructions of Don Building Chemicals (India) Pvt. Ltd.
- 6) **TYPICAL PROPERTIES:**

Physical state	:	Brown Liquid
Specific gravity	:	1.170+0.015 at 27°C
Chloride content	:	Nil
Air entrainment	:	Up-to 2% additional air

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Permeability: Measurements as per BS: 1881: Part-5:1970 has been carried out on sample of mortar using **DONCRETE LW++** to determine the waterproofing Efficiency of **DONCRETE LW++**

MIX	Permeability (mt/m ² /s)		
	10 min.	30 min	60 min.
DONCRETE LW++	11.6	6.8	3.4
	4.8	2.9	1.6

7) INSTRUCTION FOR USE:

It should be added to the mix along with the gauging water to ensure uniform distribution. The water content can be reduced by 10-15% due to the plasticizing action of **DONCRETE LW++**. The dosage of rate is 0.15L per 50Kg cement. For waterproofing structures, we recommend a minimum cement content 300kg/m³.

8) **DOSAGE:** 0.15 Ltr. of **DONCRETE LW++** per 50 kg cement.

9) **PACK:** 1,5, 20, 50, Litre Containers.

10) **STORAGE LIFE:** Minimum one year if stored in original sealed containers under shade below 50°C .

11) **HANDLING PRECAUTION:** It is an industrial chemical & ingestion should be avoided. Any splashes on skin must be washed off with water. If contact with eyes occurs, wash with clean water and seek medical advice.



TECHNICAL COLLABORATION WITH



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