

**TECHNICAL
DATA
COMPOUND &**

**CONFLO BOND- W1
(INTEGRAL WATER PROOFING
INTERNAL PLASTERING)**

DESCRIPTION

CONFLO BOND – W1 is based on lingo sulphonate (DS). It is a water-proofing admixture with water reducing action and limited air entrainment. On addition to concrete, it disperses the cement particles and improves impermeability of the concrete. CONFLO BOND – W1 is chloride, sulphate and nitrate free.

ADVANTAGES

- ⌚ **CONFLO BOND – W1 resist water penetration under either conditions of hydrostatic pressure or capillary absorption.**
- ⌚ **It gives high quality concrete with minimum bleeding and segregation.**
- ⌚ **It increases strengths and resistance to frost and deicing salts.**
- ⌚ **Its plasticizing action increases the workability of concrete and easy to placing concrete.**

SCOPE

- ⌚ **CONFLO BOND – W1 can be used for all structural concrete, which is constantly or intermittently in contact with water, such as basements concrete, water tanks, roof slabs, tunnels, floors, reservoirs, canals, swimming pools.**
- ⌚ **It can be used for sand/cement mortars to increase their impermeability, suitable for external and internal plastering.**

PROPERTIES

COLOUR	:	Brown liquid
SPECIFIC GRAVITY	:	1.18 to 1.19 at 30 C
AIR ENTRAINMENT	:	Approximately 2.2%
CALCIUM CHLORIDE	:	Nil according to IS 456-1978

STANDARDS

CONFLO BOND – W1 Complies to IS 2645 – 1975, ASTM – C 494 Type A, IS 9103 – 1979

CALCIUM CHLORIDE : Nil according to IS 456-1978

CMETHOD OF USAGE

CONFLO BOND – W1 can be used with all standard cement types. CONFLO BOND – W1 of required quantity should be added to the dosing water. The concrete should be mixed for at least 1-2 minutes after addition of CONFLO BOND – W1. Attention should be paid to the IS specification relating to mixing times and general conditions for the production, application and curing of concrete.

CONSUMPTION

100 – 200 ml per 50 kg of cement. The optimum dosage and compatibility of admixture has to be ascertained by proper site trails with locally available materials.

Cement Content Kg/m ³	Consumption ml/50 Kg of cement	W/C Ratio	Slump in mm	Compressive Strength Kg/Cm ²			* Permeability
				3 Days	7 Days	28 Days	
320	Nil	0.57	55	150	270	365	100%
320	100	0.50	55	165	285	390	18%

⌚ Permeability tested as per IS 2645 – 1975

M- 20 MIX

Cement : O.P.C 53 Grade (IS 12269-1987)
 Sand : 38% (IS 383 – 1970, Zone II)
 Aggregate : 62% (IS 383 – 1970)
 (20 mm – 5 mm)

PRECAUTIONS

CONFLO BOND W1 is non – toxic and non – flammable. Any splashes on to the eyes have to be immediately washed with plenty of water and medical advice has to be taken.

SUPPLY

CONFLO BOND W1 is supplied in 1, 5, 20, 200 Litre containers.

SHELF LIFE : 1 YEAR.

BOND CHEMICALS,
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