

CONCRETO[®]
CWT PLUS
Water and Crack Resistant Concrete

NUVOCO[®]
Shaping a new world



**SAFEGUARD YOUR HOME
FROM WATER
DAMAGE AND CRACKS**

ConcreTo CWT Plus is a high performance water resistant concrete. It ensures the water tightness by reducing permeability and healing micro cracks of the concrete.



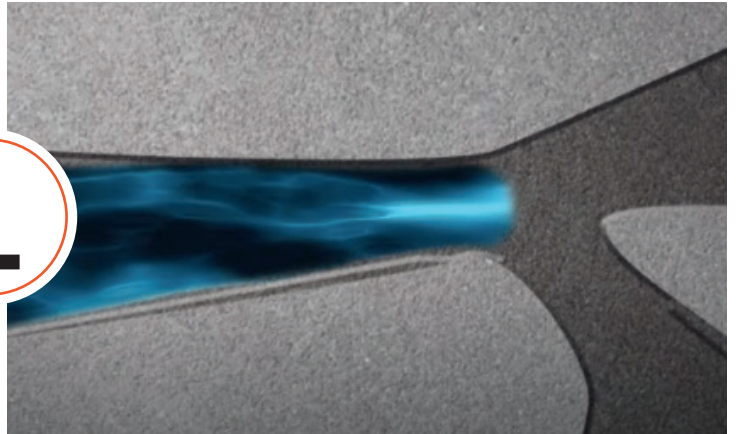
ConcreTo CWT Plus has unique active chemicals, which react with the moisture within the concrete and with various products of the cement hydration process. As a result of this reaction insoluble crystalline compounds are created

throughout the entire capillary system. Over time crystalline formations reduce the size of the capillary pores until they are completely blocked and water flow is stopped. It is available in major grades of concrete

Mechanism of ConcreTo CWT Plus

Generally water travel through the capillaries formed in the concrete or micro cracks on the surface of the concrete

1



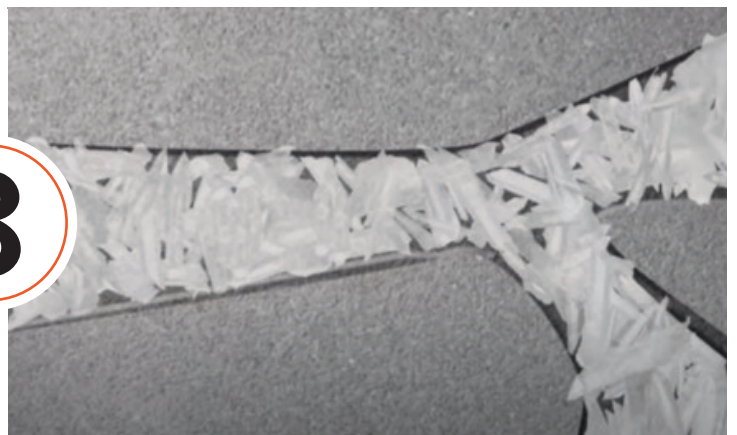
2



CWT Plus have new generation crystalline water proofing technology, Whenever water penetrate in the concrete it start reacting with concrete chemicals & generate complex crystalline matrix . It fills the capillaries and stop the water permanently

CWT Plus new generation crystalline water proofing technology, also fill the concrete micro cracks upto 0.5mm thickness

3



Parameter	Standard	ConcreTo CWT Plus	Advantages
Grade of Concrete	M20-M55	M20-M100	
Chloride Ion Penetration (Coulombs)	4000-7500	2500 to 4000 C	Lower the values better the concrete performance
Permeability	25 to 30	10-20 mm	Lower the values better the concrete water resistant properties
Drying Shrinkage (%)	>0.05%	< 0.035	Lesser % of drying shrinkage results less cracks on the concrete surface
Capillary Absorption	High	Very low	
Ability to withstand hydrodynamic pressure	—	Upto 5 bar	perform in high static waterpressure
Crack sealing ability (mm)	Nil	Up to 0.5 mm	Crack sealing ability reduces the water penetration and improve the durability
Plastic Shrinkage cracks	High	Under Control	

Application Areas:



Floor & Roof Slabs



Retaining Walls



Basement



“Water Retaining Structures/Swimming pool



Foundations



Water and Sewage Treatment Plants

Features & benefits



Water tight concrete by filling the capillary & pours by new generation crystalline water proofing technology.



Can fill the concrete micro cracks of width upto 0.5mm thick



Improve concrete durability



Reduce maintenance cost of the structure.

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