

**CONCRETO**  
**UNO**

**THE END TO  
WATER WORRIES.**



WITH



**DAMP  
LOCK  
FORMULA**



**ASSURED  
QUALITY**



**TRUST AND  
TRANSPARENCY**



**ALWAYS  
INNOVATIVE**

# CURRENT CHALLENGES IN REGULAR CONCRETING



Porous and prone to water absorption, having adverse effect on durability of the concrete



Waterproof coating protects concrete but deteriorates under UV exposure and temperature fluctuations, increasing the risk of water seepage



Dampness fosters the growth of mold and mildew while also diminishing the structural durability



Dampness can lead to aesthetic problems

Concrete Uno concrete is water repellent in nature. Concrete Uno properties inhibit water from getting absorbed inside the surface. With the virtue of advanced innovation in mix design of Concrete Uno, capillary absorption is further reduced & surface water absorption is negligible as compared to the standard concrete, Which does not allow water passage in the concrete structures.

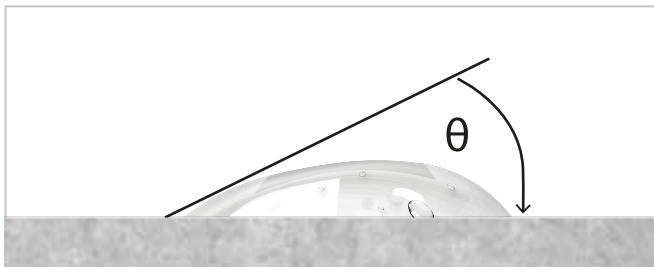




## TECHNICAL SHEET

Parameter	Hydrophobic	Standard	Remarks
Surface Water Absorption	Negligible	Medium to High (Depending on the grade of concrete)	Concrete has negligible surface absorption due to hydrophobicity
Chloride ion permeability (RCPT)	2000-5000 C	5000-8000 C	3X Better Resistance to chloride ions penetration.
Capillary	Very low	Medium-High	
Water Penetration Depth	Very low	Medium-High	
Contact angle - optical contact angle measurement water repletion properties	>130	Tends to 0	Greater the contact angle better the surface

### Hydrophobic concrete with Codal Compliance: IS 8043, 1991



Hydrophilic material

$\theta \rightarrow 0^\circ$



Hydrophobic material

$\theta \rightarrow 180^\circ$



Concrete Uno concrete with Damplock formula resistance concrete reduce the need for High-end waterproofing membranes coatings saving cost in construction projects.



It provides a long-lasting and reliable water barrier, reducing the risk of water damage and structural deterioration.



Waterproof concrete also improves the overall strength and durability of the structure, enhancing its lifespan.

# CONCRETO<sup>®</sup>

## UNO

**Disclaimer:** The use of this product is beyond the manufacturer's control. The manufacturer is not responsible for any loss or damage arising from incorrect usage. The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application.



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