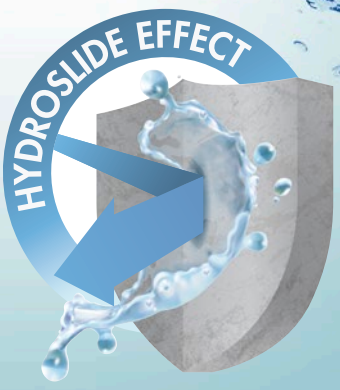
Ceresit

Best protection against water

Discover Ceresit slurries with Hydroslide Effect



Quality for Professionals

Ceresit waterproofing slurries with Hydroslide Effect

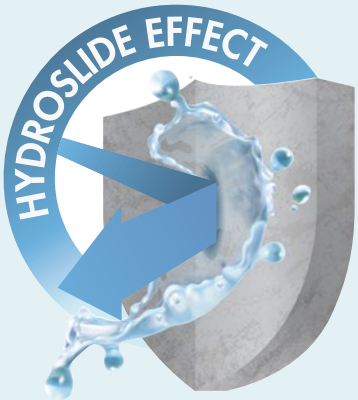
Our range of cementitious slurries offers you the right solution, no matter from what kind of water intrusion you would like to protect your building.

The waterproofing slurries from Ceresit create an immediate water-repellent effect, which results in a stronger reduction of capillary absorption of water vs. other standard slurries.

Ceresit Hydroslide Effect ensures a better protection & reinforcement of building structures, by providing unique benefits.

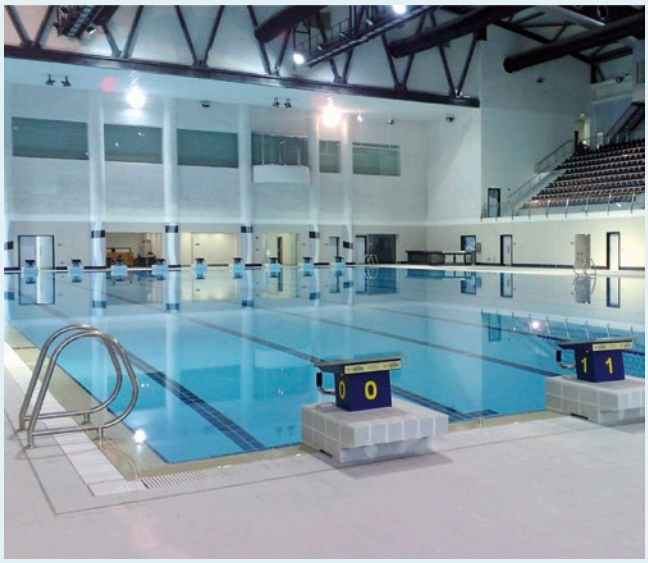
Stronger reduction of capillary absorption of water vs. standard slurries

Higher protection against dirt, mold and mildew



Stronger reduction of aggressive substances dissolved in water (e.g chlorides, de-icing salt)

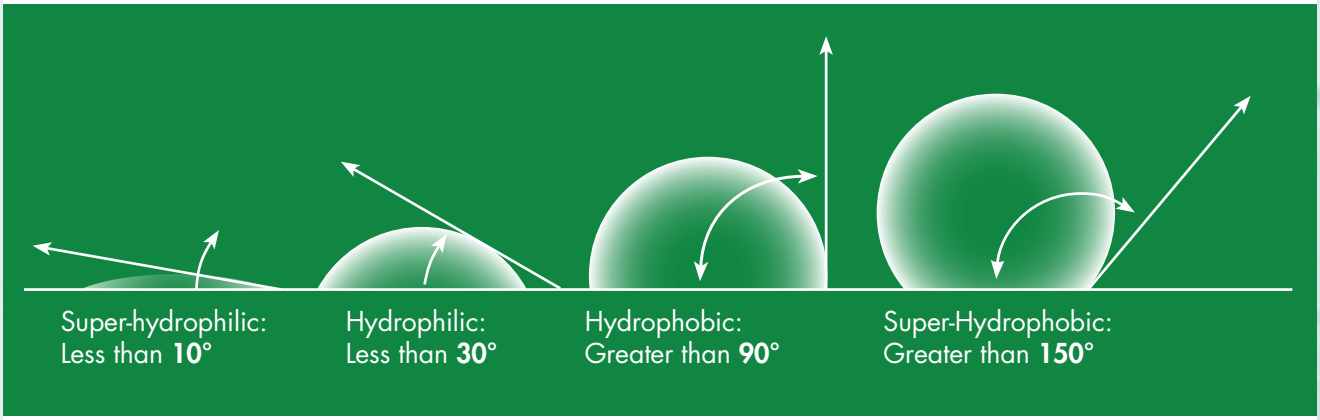
Long lasting aesthetic effect



What is the Hydroslide Effect?

Ceresit slurries with Hydroslide Effect reduce capillary absorption of water thanks to selected **hydrophobic agents**. This is the reason why our slurries have the property to **active repel water maintaining an optimal water vapor permeability.**

The hydrophobic effect can be measured with the contact angle, which is the angle between the edge of a droplet and a flat surface.



Hydroslide Effect – How to test it? With a simple spray test you can check whether a waterproofing slurry has a hydrophobic effect

Preparation

- Apply 2 mm thick waterproofing slurry on a test board 50 cm x 100 cm and let it dry for one day
- Fill an atomizer with clear cold water, make sure that the spray creates a water mist
- Distance from the sample surface: 30-40 cm
- Create a straight angle with the vertical surface and spray the water on the sample (5 times within 10 seconds)
- Observe the surface just after spraying

Test results

No hydrophobic effect:
Water is soaked in the surface. When observed against the light, the surface appears matt.

CR 65
Hydrophobic effect:
Water is slightly soaked in the surface and drops are sliding, but they are partially absorbed on the way down. When observed against the light, the surface appears matt.

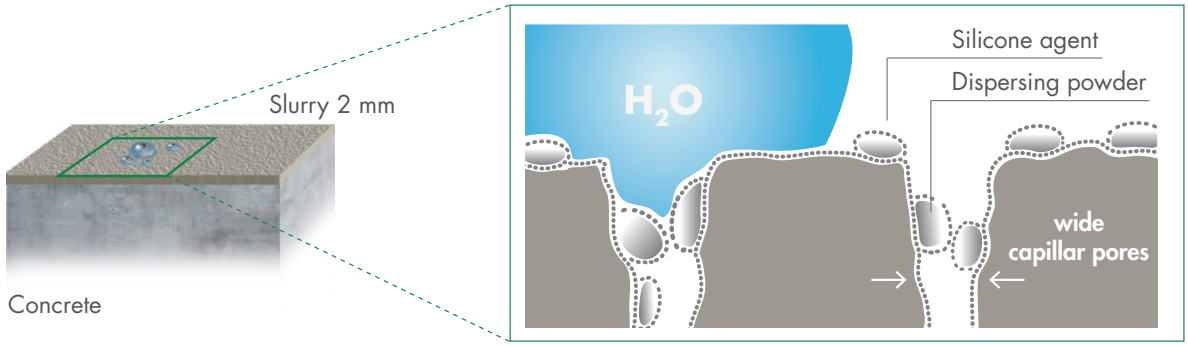
CR 90, CR 166
Strong hydrophobic effect:
Most of the water is not soaked in the surface and drops are sliding down to the bottom. When observed against the light, the surface appears glossy.

The Hydroslide Effect in Ceresit waterproofing slurries

All cementitious slurries have a capillary pore structure, which is responsible for water absorption. However, the level of capillary absorption is different in rigid and flexible slurries, due to the different performance requirements in specific application fields.

Capillary pore structure of CR 65

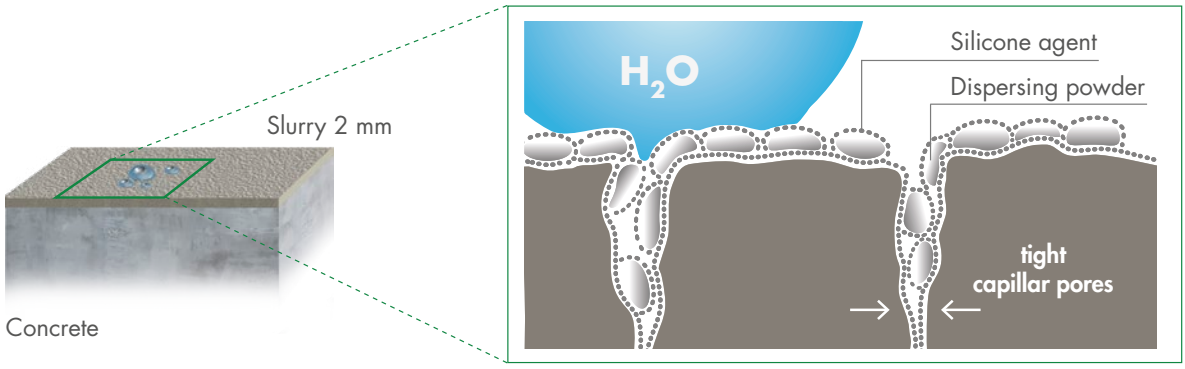
Generally, rigid slurries like **CR 65** have a **wider capillary pores structure** vs. flexible slurries. Due to state-of-art combination of hydrophobic agents, our rigid slurry CR 65 is the best choice for defined application fields on non-critical substrates.



Capillary pore structure of CR 90 and CR 166

Flexible slurries like **CR 166** have **tighter capillary pores structure**, thanks to the specific combination of polymers, binders and fillers, which provides very high hydrophobic property. As a result, the more compact constitution ensures the optimal flexibility and crack bridging ability, which make CR 166 the excellent choice in application fields with deformable substrates, where structural movements can cause cracks in the concrete.

Crystalizer slurries like **CR 90** have **tight pores capillary structure** thanks to the increased hydrophobic content and add-on salts, which grow when in contact with water allowing the sealing of hairline cracks.



To ensure the best waterproofing protection, all Ceresit slurries present the optimal level of capillary absorption in their required application fields, which can be visibly observed through the Hydroslide Effect. Test it now!

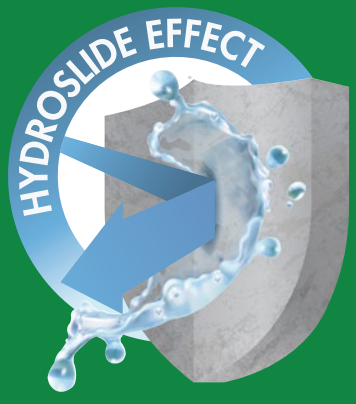
Why concrete needs best protection against water

Concrete surface features a network of micro-openings like capillaries, pores and cracks, which allows water to be absorbed: on one side, water absorption is necessary to hydration and hardening process; on the other, **water is the major transporter of harmful chemicals into the surface,** which leads to the **dramatic deterioration and damage of concrete.**

Without concrete protection

With concrete protection

Capillary absorption of water allows aggressive substances dissolved in water, like chlorids and other salts, to penetrate in the surface, causing **the corrosion of steel reinforcements** and other **structural damages**. Wet concrete surfaces are also exposed to organic growth of **dirt and mold/mildew,** which cause aesthetical and structural damages.



Ceresit waterproofing slurries with Hydroslide Effect create an immediate water-repellent effect, which prevents deterioration and damage of concrete.

The reduced capillary absorption of water makes concrete protection & waterproofing more efficient, allowing to save cost of maintenance and to keep building structures durable and long lasting.

With our cementitious slurries you are always on the safe side!

CR 65 Rigid 1K waterproofing and concrete protection slurry

CHARACTERISTICS
- waterproof
- vapor permeable
- frost resistant
- resistant to positive and negative water pressure
- durable concrete protection
- economical application
- can be applied by brush, trowel or sprayed

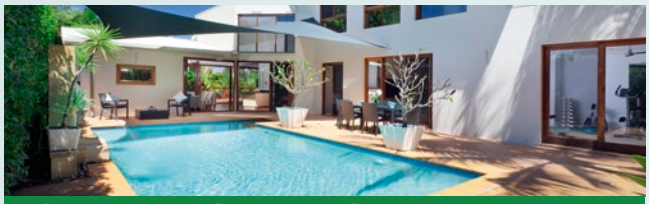
CR 90 Crystalizer – crystalizing waterproofing slurry

CHARACTERISTICS
- waterproofing through crystallization
- vapor permeable
- frost resistant
- resistant to positive and negative water pressure
- seals hairline cracks in the concrete structure up to 0,4 mm
- economical application
- compatible with the sealing tape
- can be applied by brush, trowel or sprayed

CR 166 Flexible 2K waterproofing and concrete protection slurry

CHARACTERISTICS
- waterproof
- vapor permeable
- frost resistant
- for negative and positive water pressure
- reinforced and standard concrete protection
- for critical substrates
- covers surface cracks
- for drinking water tanks and sewage treatments
- compatible with sealing tape
- can be applied by brush, trowel or sprayed

Waterproofing and concrete protection


Pools, Wet areas, Drinking water tanks


Bridges, Industrial buildings, Pillars


Balconies, Terraces


Basements and foundations

Application areas

Characteristics	CR 65	CR 90 Crystalizer	CR 166
Components	1K	1K	2K
Flexibility	Rigid	Rigid	Flexible
Crack bridging ability (according to specific norms)	–	0,4 mm	> 0,75mm
Water tight	5 to 15m	15m	50m
Under tile usage (EN local approval) – terraces, balconies, pools	–	–	
Pools	–	–	
Critical surfaces	–	–	
Kitchen/bathrooms	–	–	
Balconies/Terraces	–		
Compatible with sealing tapes	–		
Wet substrates application			–
Concrete protection (EN 1504-2)		–	
Drinking water tanks			
Negative water pressure			
Positive water pressure			
Basement			
Foundations			
Water reservoirs			
Garages			
Underground construction			
Concrete structures			
Frost resistant			

Application methods of cementitious slurries

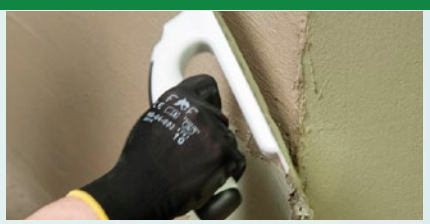
Substrate preparation



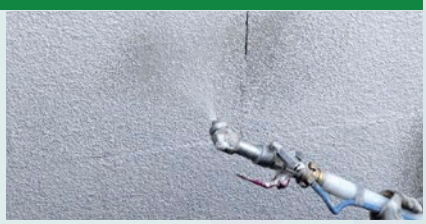
Make sure that the substrate is properly treated before applying the slurry. See Technical Data Sheet of the product for detailed information. You can download it from www.ceresit.com.

Application methods

Brush application – Apply the first layer always with a brush. Apply the second layer only when the first one is already hard.



Trowel application – The second layer can be applied with a trowel only when the first one is already hard.



Spray application – The second layer can be applied with a spray only when the first one is already hard and then smoothened with a trowel.

Ceresit

Your Ceresit partner

Got your interest
For more information please contact our
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