

# DEGADUR® 510

Low-viscous, elasticized methacrylate resin for manufacturing of mortar coatings on cement concrete.

The flexible mortar coatings produced with 510 are suitable for indoor areas with heavy transport movements. These coatings are wear-resistant and resistant to ageing. In order to obtain an optimum wear-resistance the formulation must be followed exactly.

## Degadur® 510 – self leveling coating, 5-10 mm, can be sprinkled with quartz sand

17	weight-%	Degadur® 510
15	weight -%	Heavy spar, calcide or quartz powder(0-0,06 mm)
35	weight -%	Quartz sand (0,1-0,4 mm)
30	weight -%	Quartz sand (0,7-1,2 mm)

*Laboratory values. Temperature is referring to the binder, the floor and the air temperature. Approximate values, in practice there are deviations in the workplace.*

This formulation allows the installation of coatings up to 10mm on primed concrete in one operation. The coatings can be subjected to heavy mechanical loads, and can be sealed (e.g. with 528) 510 and the hardener powder are premixed, and then the fillers are added. The mixing time is about 3 minutes. The mortar is applied by gage rake and trowel. For a layer thickness > 10mm up to 20 % by weight of quartz sand (2-3mm) can be added to this mixture.

## Coving Degadur® 510:

30	weight -%	Degadur® 510
25	weight -%	Quartz sand (0,1-0,4 mm)
45	weight -%	Quartz sand (0,7-1,2 mm)
1,7	weight -%	AEROSIL® 200

*Laboratory values. Temperature is referring to the binder, the floor and the air temperature. Approximate values, in practice there are deviations in the workplace.*

This formulation is suitable for covings to achieve a good floor-wall transition. Application only onto primed, sprinkled substrates. First the AEROSIL® 200 should be well dispersed in Degadur® 510, then the hardener is added, finally the fillers are mixed in. This formulation is applied with special coving trowels.

## Potlife and curing time at different temperatures

Temp (°C)	weight - %	Potlife (min)	Curing time (min)
17	6,0	ca 25	ca 45
15	4,0	ca 20	ca 40
20	2,4	ca 15	ca 40
30	1,2	ca 15	ca 40

*Laboratory values. Temperature is referring to the binder, the floor and the air temperature. Approximate values, in practice there are deviations in the workplace.*