



ELOTEX® CF9000

FORMALDEHYDE FREE ACRYLIC REDISPERSIBLE POLYMER POWDER
SPECIFICALLY DESIGNED FOR CEMENT FREE DRY MIX FINISHING COATS

EXPERIENCE THE DIFFERENCE

ELOTEX® CF9000 formaldehyde free acrylic redispersible polymer powder has been specifically designed to formulate high performance cement free dry-mix finishing and decorative coats.

The use of ELOTEX® CF9000 brings to our customers not only a sustainability advantage of eliminating cement from their formulations but also ensures high water resistance and weathering (UV) stability of finishing coats. Cement free decorative finishing coats formulated with ELOTEX® CF9000 are a real alternative to the ready-to-use pasty systems.

Move from dispersion based ready-to-use pasty systems will bring following benefits to our customers:

- Less, lighter and lower cost packaging material (paper bags instead of plastic buckets)
- Less waste and easier handling of packaging waste
- Less transportation and storage costs (no water shipment)
- No freezing issues
- No biocides in the final powder formulation (normally needed for in-bucket preservation)
- Consistency of the finishing coat can be easily varied by the amount of added water – one powder formulation for different application methods (hand or machine)



Compared to cement based powder finishing coats, cement free formulations with ELOTEX® CF9000 offer:

- pH <10 for a better pigment stability
- Higher color consistency
- No risk of efflorescence

Typical applications of cement free dry mix formulations based on ELOTEX® CF9000 are:

- Interior and exterior decorative wall finishes
- Base coats and textured decorative coats for External Thermal Insulation Composite Systems (ETICS)
- Skim coats

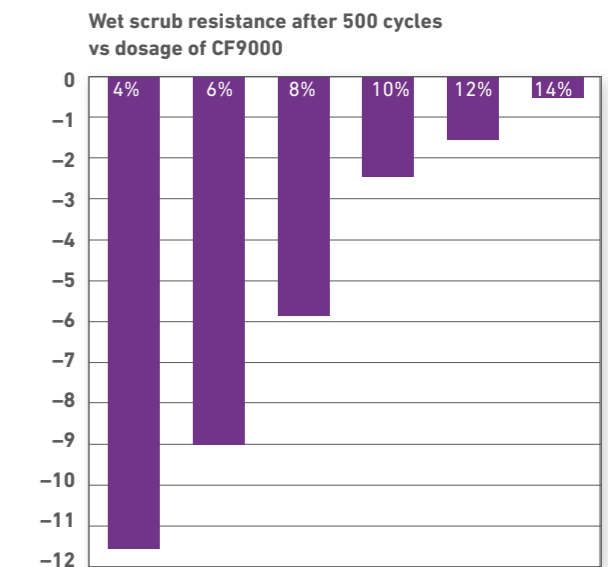
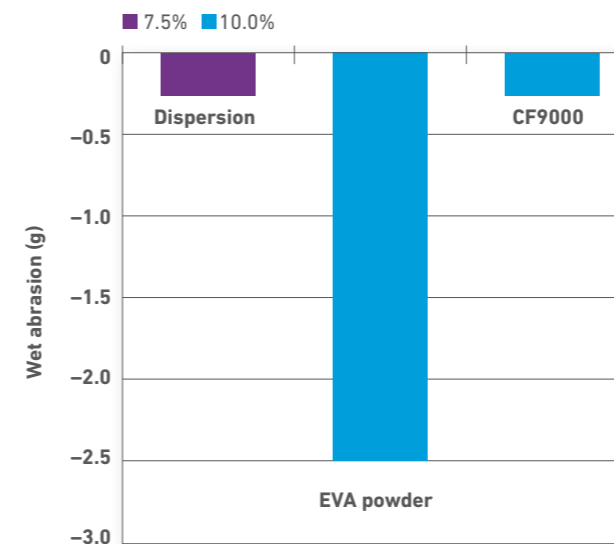
TESTED FORMULATIONS

Smooth cement free render formulation	Weight %
Calcium Carbonate (45 µm)	30.0
Titanium Dioxide	3.0
Silica Sand (0.1–0.6 mm)	42.7
Silica Sand (0.08–0.2 mm)	14.0
Powder Defoamer	0.1
Cellulose Ether	0.2
ELOTEX® CF9000	10.0
Water approx.	19.0

Structured cement free render formulation	Weight %
Calcium Carbonate (45 µm)	55.0
Calcium Carbonate sand up to 2 mm	32.8
Titanium Dioxide	1.0
Powder Defoamer	0.1
Cellulose Fibers	1.0
Cellulose Ether	0.1
ELOTEX® CF9000	10.0
Water approx.	20.0

For smooth cement free render, 10% of ELOTEX® CF9000 leads to an equivalent wet scrub resistance to 7.5% of dispersion (based on polymer solids content in the dispersion). The conventional redispersible polymer powder based on EVA copolymer show 10 fold worse result compared to formaldehyde free acrylic ELOTEX® CF9000 redispersible polymer powder.

Wet scrub resistance of structured cement free render based on ELOTEX® CF9000 can be adjusted by adjusting the content of the formaldehyde free acrylic redispersible polymer powder.



Additionally, no discoloration of smooth or structured cement free decorative renders formulated with ELOTEX® CF9000 can be observed after 400 hours in Super UV chamber (UV light 300 nm) or after 2000 hours Sun-Shine Weather-meter.





Redispersible Polymer Powder
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