

CONSTRUCTION CHEMICALS



Construction Products

Application / Substrates	LDW 7000	LDW 7010	LDW 702	LDW 705	LDW 708	LDW 7016	LDW 711	LDW 715	LDW 716	LDW 7112	LDW 71017	LDW 71018	LDW 71019	LDW 71020
Concrete application	■													
Industrial coatings			■	■				■						
Water Proofing 1 K system		■		■			■		■		■			
Water Proofing 2 K system				■		■			■					
Elastomeric wall coatings				■		■								
Adhesion promoting primers		■		●	■		■		■		■			
Bonding agent		■	■	●			■	■	●		■		■	■
Mortar modification		■		■			■	■	■		■			
Tile adhesive		■	■				■	●			■			
Flexible adhesive				■					■					
Grouting compounds		■	■				■				■			
Elastic joint filler													■	■
Thermal insulation system												■		

®Mowilith	Stabilization	% Solid Content	MFFT, deg C	TG, deg C	Ph Value	Particle Size (µm)	Brookfield viscosity (mPas)	Spindlerpm (RVT)
FULL - ACRYLIC								
Mowilith LDM 7064	E	46	20	28/100	7.0 - 8.0	0.12	500 - 2500	RVT (3/20)
Mowilith LDM 7270	E	50	4	6	7.5 - 8.5	0.15	1500 - 3500	RVT (3/20)
Mowilith 727	E	50	25	28	7.0 - 8.0	0.15	500 - 1500	RVT (2/20)
Mowilith DM 765	E	50	0	-6	8.0 - 9.0	0.17	4000 - 10000	RVT (5/20)
Mowilith LDM 7667	E	34	0	7	8.0 - 9.0	0.06	10 - 90	RVT (1/20)
Mowilith LDM 7914	E	60	0	-10	8.0 - 9.0	0.4	50 - 250	RVT (1/50)
STYRENE - ACRYLIC								
Mowilith DM 611	E	50	17	19	7.5 - 8.5	0.15	4000 - 9000	RVT (5/20)
Mowilith VDM 618	E	50	24	33	7.0 - 8.0	0.15	50 - 250	RVT (2/20)
Mowilith LDM 6483								
Mowilith LDM 6636	E	50	10	18	7.5 - 8.5	0.15	100 - 1000	RVT (2/20)
Mowilith LDM 6710	E	50	17	19	7.0 - 8.0	0.09-0.2	3000 - 6000	RVT (4/20)
VAM - VEOVA COPOLYMER/VAM - VEOVA TERPOLYMER								
Mowilith DM 2468	E	50	12	18	5.0 - 7.0	0.15	100 - 700	RVT (2/20)
MONOMER BASE VINYL ACETATE - HOMOPOLYMER								
Mowilith P300	PVAL	30	3	26	4.5 - 5.5		40000 - 55000	HBT (4/20)
Mowilith P436	PVAL	43	9	35	5.0 - 6.0		40000 - 60000	HBT (4/20)

Water Proofing 1 K

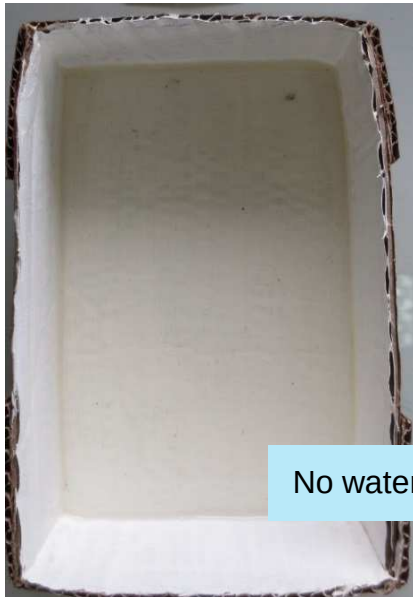
- Excellence elongation and tensile strength
- Wet adhesion
- Adhesion to many substrate
- Dirt pick up
- Alkali resistance

Mowilith LDM 59007

Mowilith LDM 765

Mow LDM 59007

**Market water
proofing**



No water leakage

24.02.2015



Water Proofing 2 K

Mowilith LDM 6481

FILLER:

QUARTZ SAND (0–0.4 mm) 30

QUARTZ SAND (0–0.25 mm) 5

CEMENT 15

EMULSION:

MOWILITH DM 765 50

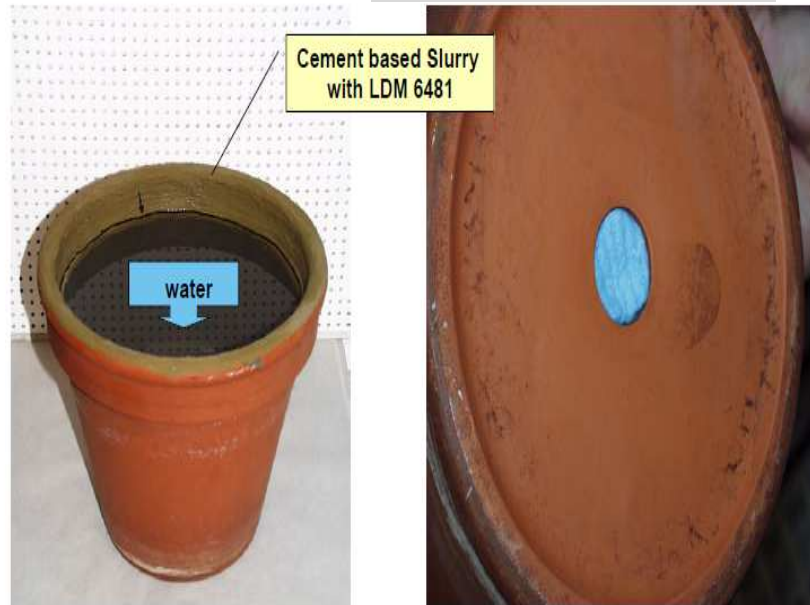
WATER 6

- as humidity barrier against water
- as waterproofing membranes damps rooms
- as waterproofing membranes of fascades above the subsoil
- As protective coating against concrete corrosive media



Application of Water Proofing 2K *as water proofing*

using construction
chemicals



Mowilith LDM 6481



Application of Water Proofing 2K *as flexible roof compounds*

- Roof waterproofing coating
- Good adhesion to most substrates
- High elasticity
- Can be use with a stuff and flexible roofing compounds
- Roof coating system with non woven film
- Long lasting and highly resistant
- Non – polluting and physiologically harmless
- Can be used with fine additives such as sand, quartz and colored grains
- Simple to apply
- Flexible event at low temperatures

Mowilith LDM 6481



Application of Water Proofing 2K

as flexible roof compounds

Application After 4 Years

Mowilith LDM 6481



Jointing of Building Material

- Protection
- Durability
- Good adhesion
- Chemical inertness
- A paste is used for jointing two plasterboards
- A fiber mesh must be used to avoid cracking
- Compounds must be set out without cracking
- The result is levelled finish that is later smoothed down



Mowilith P 300

Mowilith P 400

Tile Adhesive

- Excellent flexibility
- Excellent water resistance
- Excellent flexible adhesives
- Excellent adherence
- The tile Easy to apply
- Easy to clean up the tools
- Speed in uses
- Allows building work to progress very rapidly
- Fast results



- **Mowilith LDM 7270**
- **Mowilith 727**
- **Mowilith MD 611**
- **Mowilith LDM 59007**

Binder	20 - 30
Thick quartz	4
Ground quartz	17
Calcium carbonate	48
water	3

Bonding Agent

- Excellent adherence between different substrates
- Concrete - gypsum
- Concrete – Mortar
- Fibrecement - gypsum



Mowilith LDM 7270

Mowilith 727

Mowilith DM 611

Mowilith VDM 618

Mowilith LDM 59007

Mowilith P 300

Mowilith P 400

Recipe Guide :
Dilution from 10 % to 20%

Modifier of Repairing Mortars

- Increase adherence
- Increase plasticising effect (workability)
- Improve the adhesion
- Cement layer as bonding agent
- Decrease the hydraulic retraction
- Delays the premature drying
- Provided that water retention is adequate



Rust Staining

Cracking

Spalling



Mowilith VDM 618

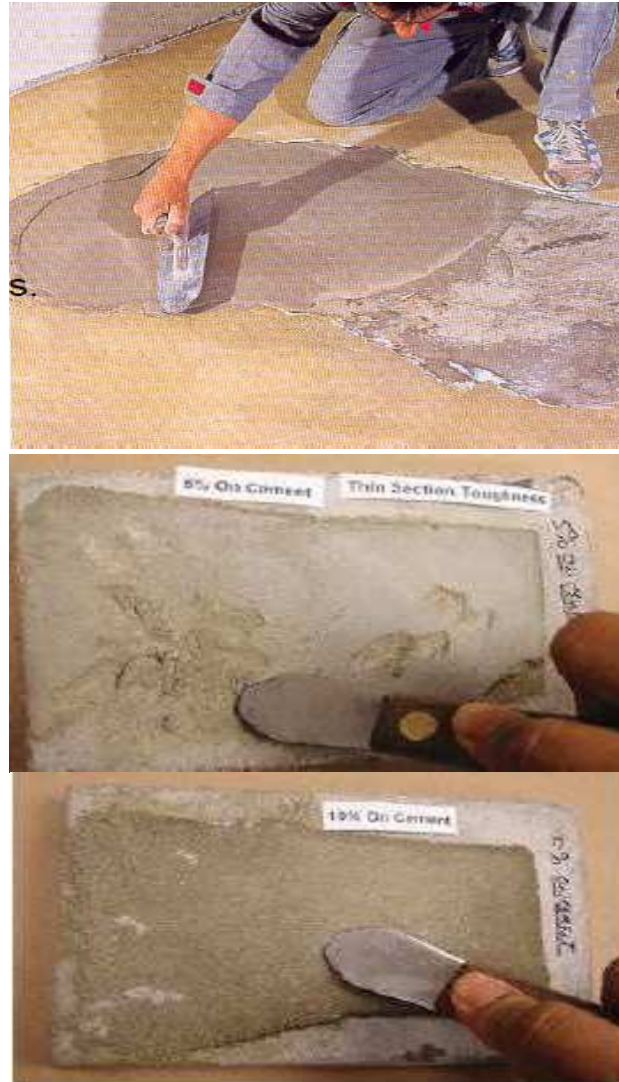
Mowilith DM 611

Mowilith LDM 6710

from 5 % to 20 % of
the amount of cement

Modification of Cementitious Systems

- Increases the adherence of cementitious products
- Increases resistance to abrasion and avoid the dust accumulation
- Highly consolidation of the concrete surface
- Decreases the hydraulic refraction of mortars
- Good water retention



Mowilith LDM 7270

Mowilith 727

Mowilith DM 611

Mowilith VDM 618

Mowilith LDM 59007

Impervious Mortars

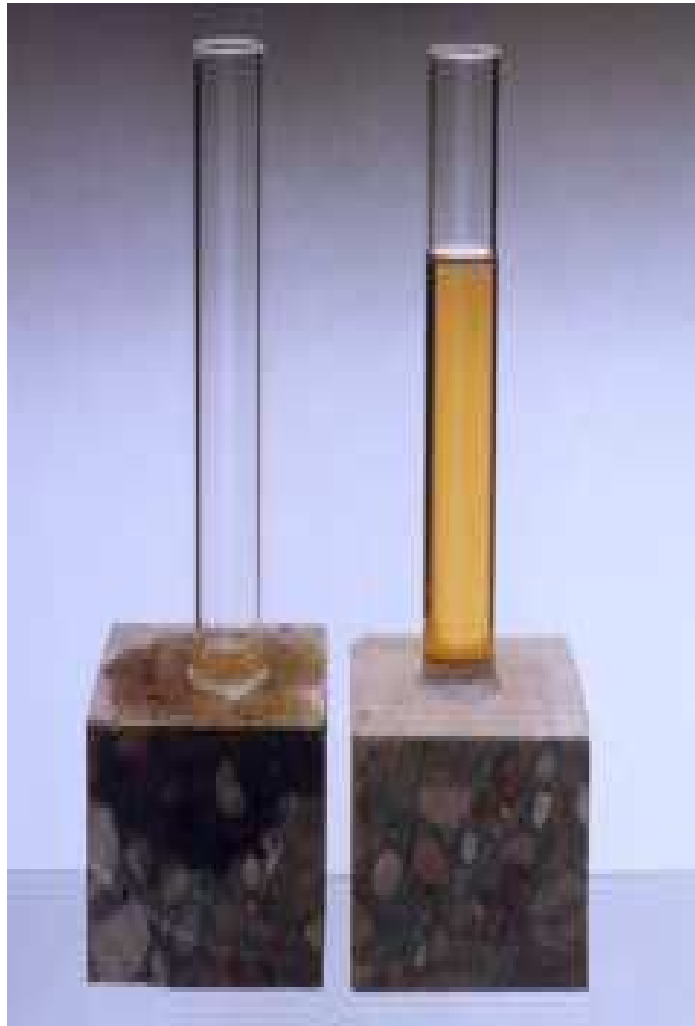
- Excellent impervious mortars (1)
- Avoid hydraulic refraction of mortar
- Highly adherent mortar are obtained
- High flexural tensile strength
- Flexible plaster (2)



Mowilith VDM 618

Modification Of Concrete

- Improved resistance to systems corrosion and chemical products as Sulfuric acid., petrol and salts.
- Improve flexural tensile strength
- Excellent imperviousness to water
- High imperviousness against liquids



Mowilith LDM 7270

Mowilith 727

Mowilith DM 611

Mowilith VDM 618

Mowilith LDM 59007

Primer In Mineral Substrates

Mowilith LDM 7667

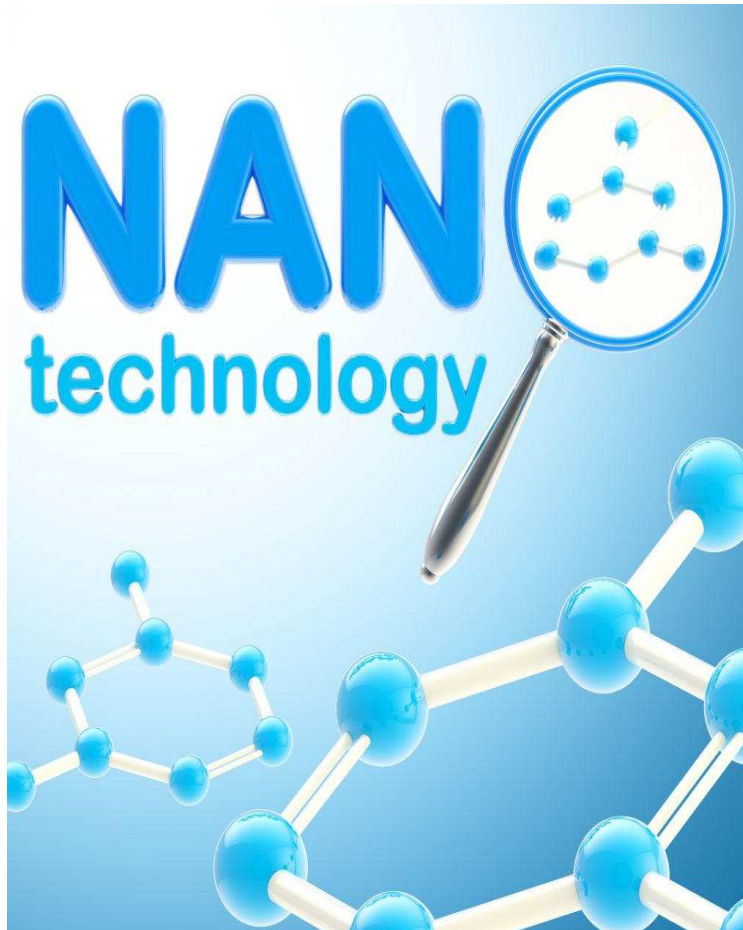
- GYPSUM SEALER / HYDRAULIC LIME
- Excellent capacity to consolidate the lime of Gypsum surface or hydrated lime

How to use ?
Dilute Mowilith LDM 7667
with water = 1 : 3



Nano Technology

Mowilith LDM 7667 and Mowilith LDM 2801



Advantages =

Excellent penetration properties for wood and concrete

suitable for the formulation of aqueous primers with good penetrating properties on porous substrates like gypsum, plasters and concrete.

The dispersion can also be used as a binder in impregnating wood stains

Penetrating primers

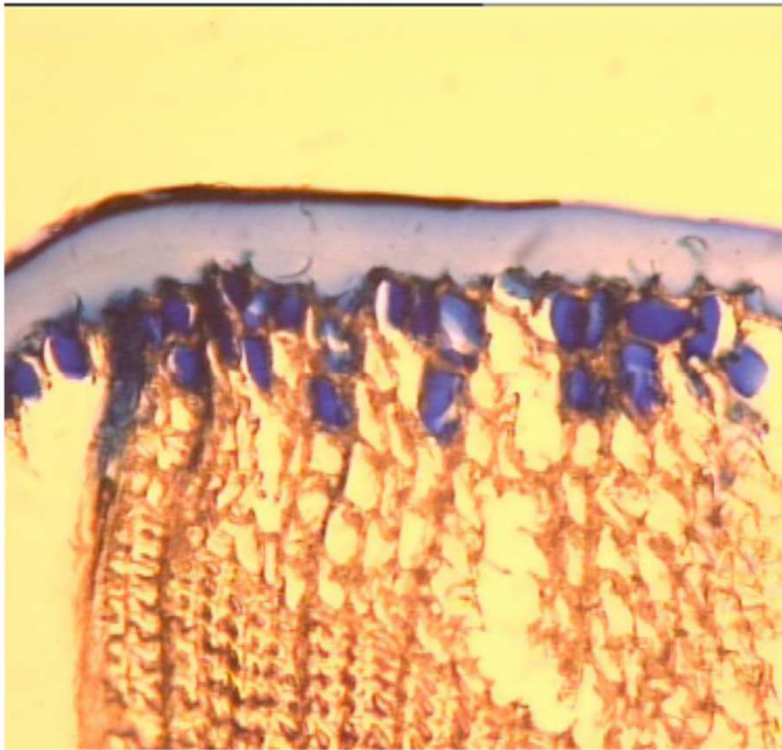
Impregnating wood stains

Chalky wall

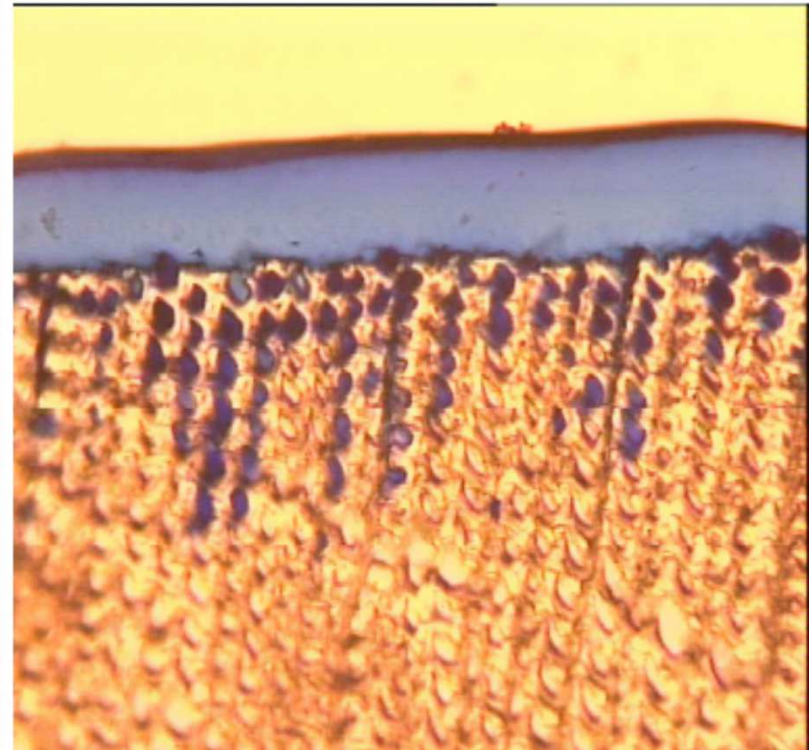
Nano Technology

Mowilith LDM 7667 and Mowilith LDM 2801

Influence of particle size on penetration depth in pine wood (light microscopy)



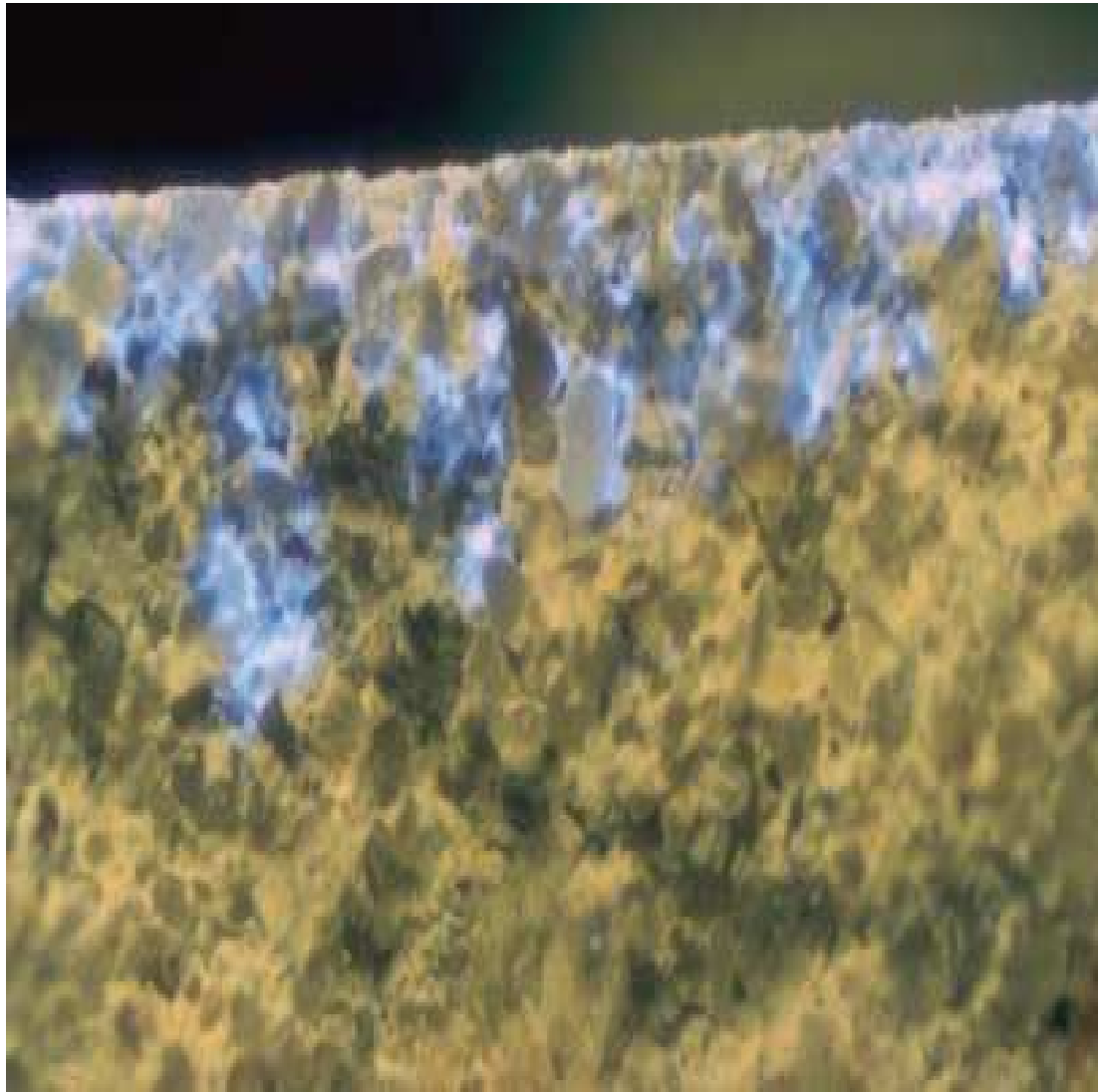
Dispersion with coarse particles
Low penetration(2 cell layers)



Dispersion with fine particles (approx.50nm)
Good penetration(3-6 cell layers)

Alkali – Penetration – Primer

Mowilith LDM 7667 and Mowilith LDM 2801



Excellent penetration in different substrates :

- fiber cement
- plasterboards
- mortar
- bricks
- concrete blocks

Chalky, Wet and Fungi Wall

Mowilith LDM 7667 and Mowilith LDM 6710



chalky, wet and fungi wall

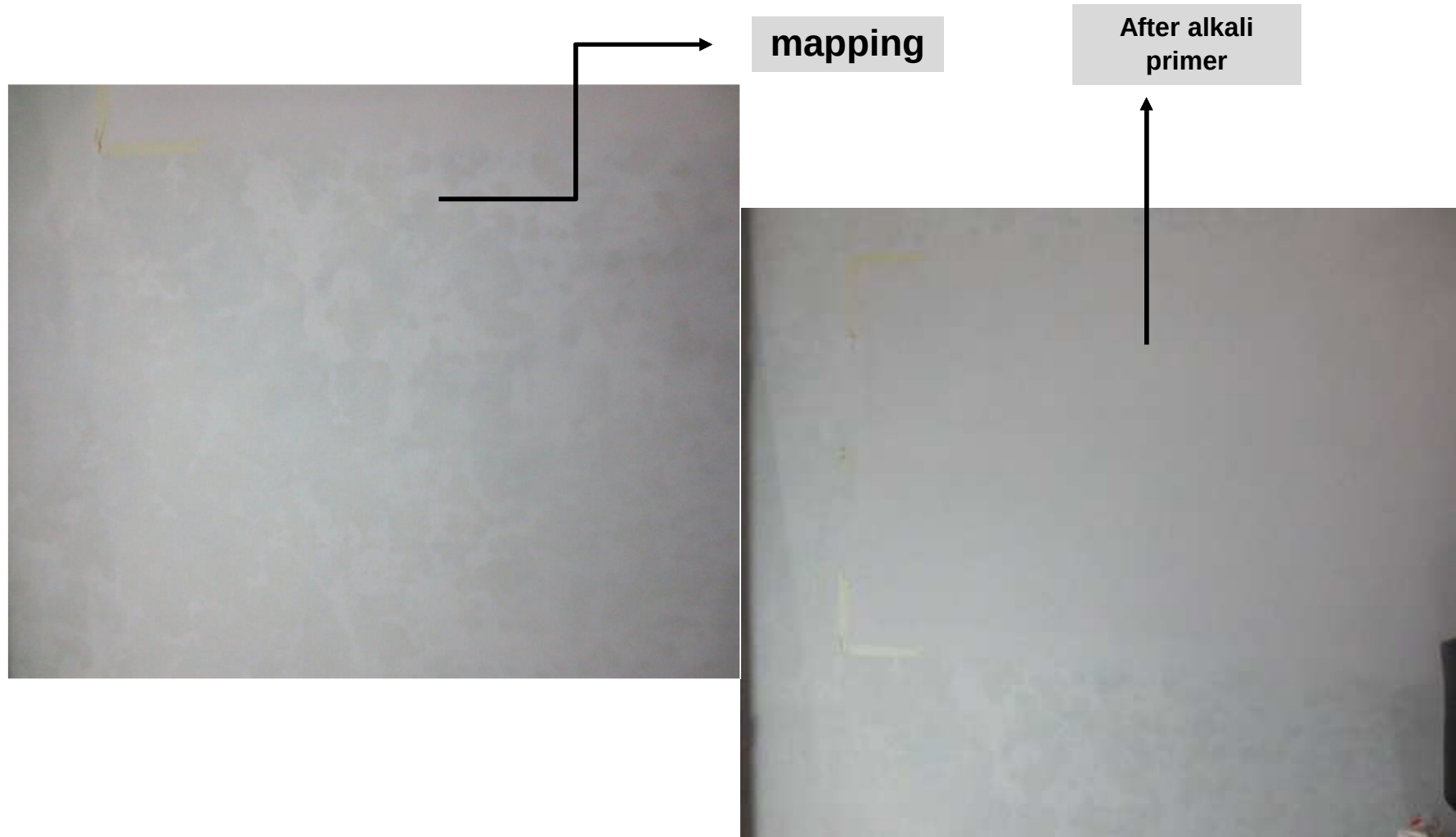
²¹ After Repairing

Alkali – Penetrating – Primer – (Mowilith 7667 + Mowilith LDM 6710)



Alkali Primer at Mapping Area

(Mowilith 7667 + Mowilith LDM 6710) - after 5 months



Adhesion Test on Fiber Cement Board

Mowilith LDM 2801



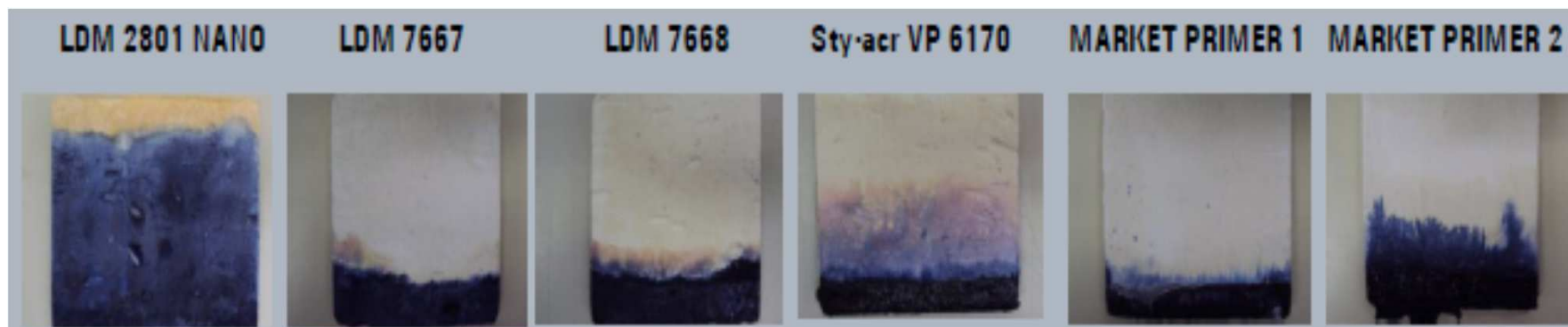
Nano Product Competitor



Mowilith LDM 2801



24 Absorption Power



Samples (10-13% solids)	*Absorption by capillarity after 3 hours	Mass absorbed by the polymer in the gypsum plate (g)
Mowilith LDM 2801	Excellent	4,90
Mowilith LDM 7668	Good	4,10
Mowilith LDM 7667	Good	3,80
Mowilith VP 6170	Bad	-----
Market primer 1	Bad	-----
Market primer 2	Bad	-----

WAITING

QUESTIONS & SUGGESTIONS