



# Dry M 3Plus

SHRINKAGE COMPENSATING ADMIX

Dry M 3Plus is an inorganic powder, free from chlorides and any other dangerous component for mortars. It is mainly composed of special calcium oxide, thermally treated in a particular way and with a strictly selected grain size. The exclusive formulation allows to obtain shrinkage-controlled mortars with a fast increase of the initial mechanical strengths without no volumetric abnormalities or structural/superficial defects.

## Admixture/Addition – Dry M 3Plus

Calcium oxide-based shrinkage reducing admixture with a stable effect over time, specific for R3 and R4 structural repair mortars; with the characteristics of increasing the mechanical strengths in short curing time periods, suitable for high performance and eco-friendly admixtures.



## VOLUMETRIC CONTROL WITH NO SHRINKAGE ON HYPOTHETICAL TEST MORTAR

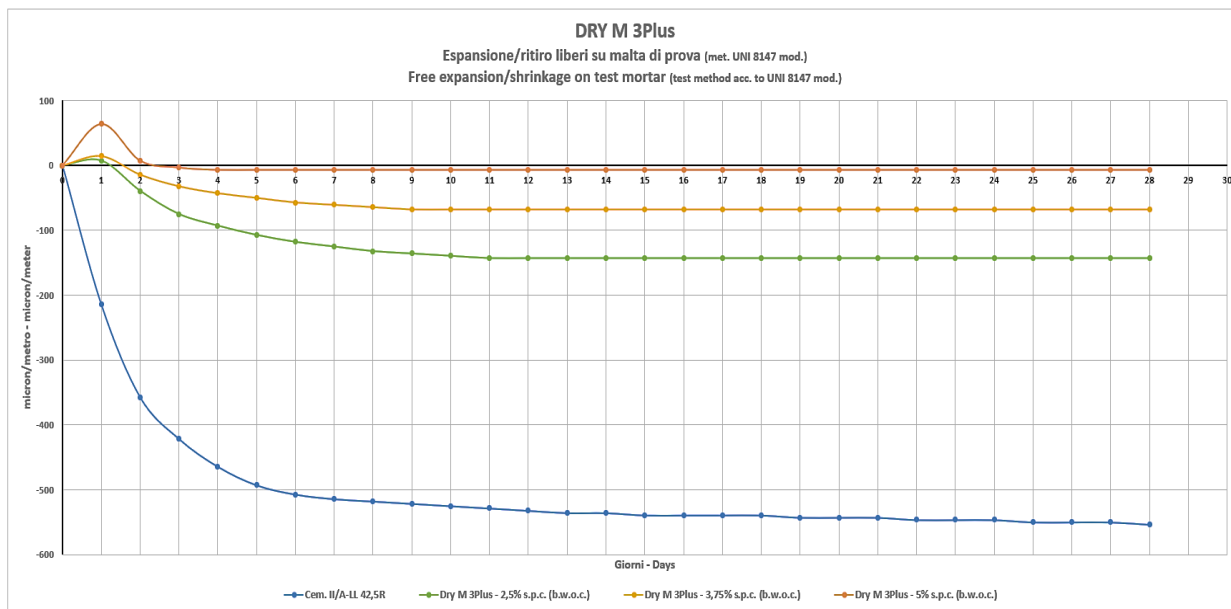
MIX DESIGN MALTA DI PROVA - TEST MORTAR MIX DESIGN					
Composizione - Composition	Unità di misura Units	1	2	3	4
<i>Cem. II/A-LL 42,5R</i>	kg/m <sup>3</sup>	430	430	430	430
<i>Aggregato totale Total aggregate</i>	kg/m <sup>3</sup>	300	300	300	300
<i>Dry M 3Plus</i>	% s.p.c. % b.w.o.c.	0,0	2,5	3,75	5,0
<i>Acqua Water</i>	kg/m <sup>3</sup>	205	205	205	205
<i>Superfluidificante Superplasticizer</i>	% s.p.c. % b.w.o.c.	1,0	1,0	1,0	1,0
<i>A/C W/C</i>	-	0,48	0,48	0,48	0,48

## INCREASING IN MECHANICAL STRENGTH ON HYPOTHETICAL TEST MORTAR

Resistenze a compressione su malta di prova - Compressive strength on test mortar					
Stagionatura - Curing	Resistenza meccanica Mechanical strenght	1	2	3	4
Giorni - Days		Cem. II/A-LL 42,5R	Dry M 3Plus - 2,5% s.p.c. (b.w.o.c.)	Dry M 3Plus - 3,75% s.p.c. (b.w.o.c.)	Dry M 3Plus - 5% s.p.c. (b.w.o.c.)
1	Rc - CS N/mm <sup>2</sup>	4,88	10,94	12,63	19,69
2		22,13	25,25	28,00	30,06
3		29,63	34,63	38,75	38,38
7		31,13	39,00	42,81	46,69
14		38,31	42,50	46,00	51,25
28		40,81	46,06	52,13	58,31



**VOLUMETRIC CONTROL WITH ABSENCE OF SHRINKAGE OF AN HYPOTHETICAL TEST MORTAR.**



**Characteristics**

- Strong reduction of hygrometric shrinkage, with complete stability over time.
- Appreciable increase of the mechanical strength.
- Right to be used inside high-performance R3 and R4 structural repairs mortars (ref. EN 1504-3).

**DOSAGE AND OPERATING INSTRUCTIONS**

The dosage of the product depends on the characteristics we want to give to the final mortar. Normally it is between 2.5 and 10% by weight of cement. Dry M 3Plus can be added in the pre-mixing phase along with the cement and all the other additive as it is compatible with each component normally used when formulating cement products.

**PACKAGING**

The product is supplied  
In bags kg. 20  
big bags kg 750  
bulk

**STORAGE**

DRY M 3PLUS must be stored in the original packages in a dry-covered place. For the purposes of quality, the shelf life of the product depends on the state of storage which under optimal conditions is not less than 12 months.

**Chimica Edile s.r.l.**

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