



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.



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.

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).

VOLUMETRIC CONTROL WITH NO SHRINKAGE ON HYPOTHETICAL TEST MORTAR

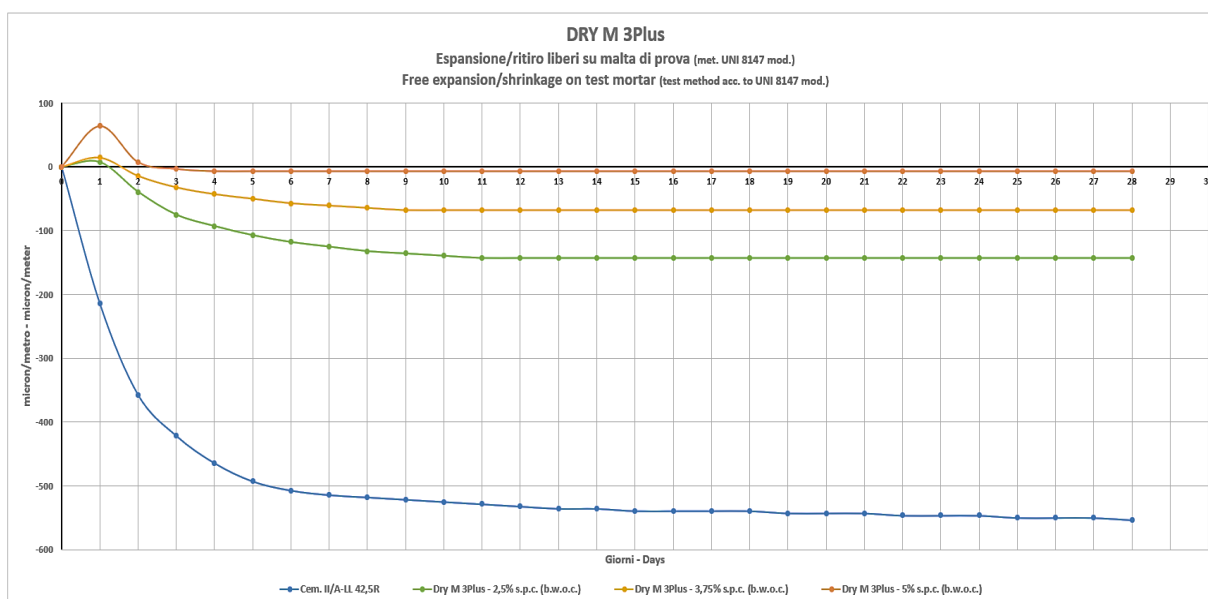
MIX DESIGN MALTA DI PROVA - TEST MORTAR MIX DESIGN					
Composizione - Composition	Unità di misura Units	1	2	3	4
<i>Cem. II/A-LL 42,5R</i>	kg/m ³	430	430	430	430
<i>Aggregato totale Total aggregate</i>	kg/m ³	300	300	300	300
<i>Dry M 3Plus</i>	% s.p.c. % b.w.o.c.	0,0	2,5	3,75	5,0
<i>Acqua Water</i>	kg/m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



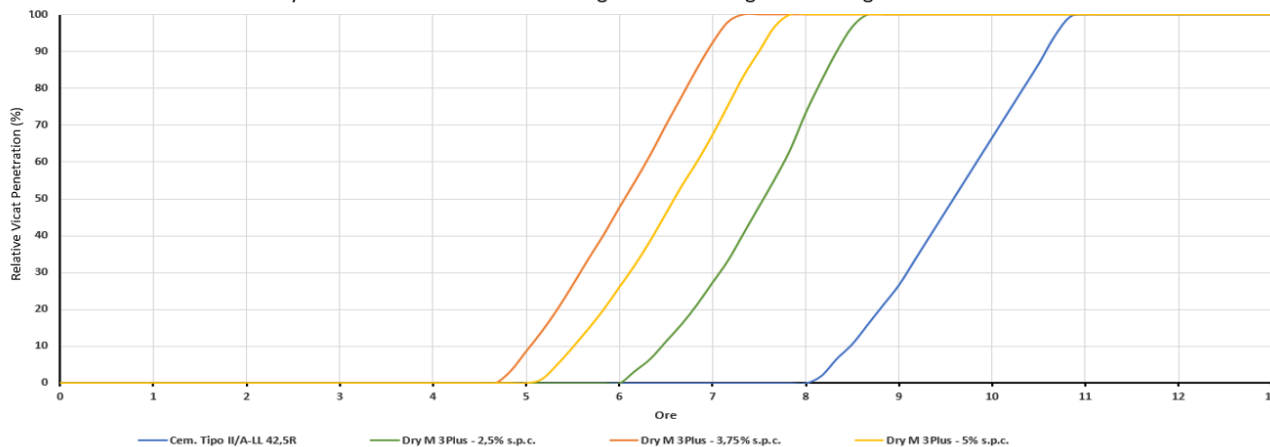
INCREASE IN MECHANICAL RESISTANCE ON HYPOTHETICAL TEST MORTAR

Compressive strengths on Malta				
Days	Cem. Tipo II/A-LL 42,5R	Dry M 3Plus - 2,5% s.p.c.	Dry M 3Plus - 3,75% s.p.c.	Dry M 3Plus - 5% s.p.c.
	N/mm ²			
1	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 A HYPOTHETICAL TEST MORTAR.



Dry M 3Plus – Variation of the setting times according to the dosage of the additive



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