C E
CHIMICA EDILE

Dante Assitente Virtuale
333 2463623
0564 935223

Dry D1 NG

SHRINKAGE COMPENSATING ADMIX

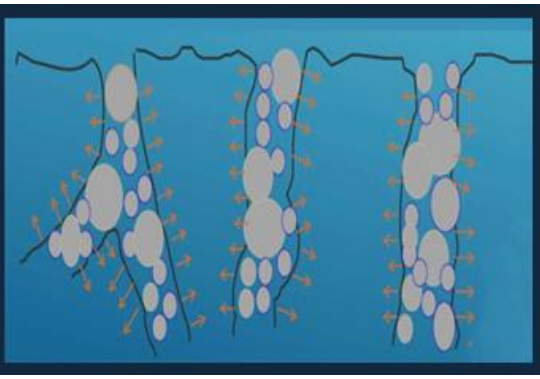
Shrinkage reducing admixture with absolute shrinkage control; Suitable for the realization of jointless industrial floors with large slabs (>20 m). Reduces the risk of cracking and reduces the joint opening by more than 80%. DRY D1 NG can be used with any reinforcement technology:

- Synthetic/metallic fibers
- Iron Bars
- Wire Mesh

DRY D1 NG is an inorganic powder product free of chlorides, sulfates, and other harmful components for concrete. DRY D1 NG is a calcium oxide obtained by a particular thermal treatment and granulometrically selected.

Advantages of the use of DRY D1 NG

- Dosage : 8-15 kg/mc of CLS
- Guarantee of durability of the CLS in accordance with the requirements prescribed in the EN 206-1 standard
- Good waterproofing of concrete
- Excellent resistance to chemical aggression
- Good protection of reinforcing irons
- Total volumetric control of withdrawal
- Increase in mechanical resistance
- Cost optimization thanks to the possibility of reducing the cement dosage by 10/20%
- Easy to use, even in on-site batching plants
- Great economic advantage also with regard to traditional waterproofing



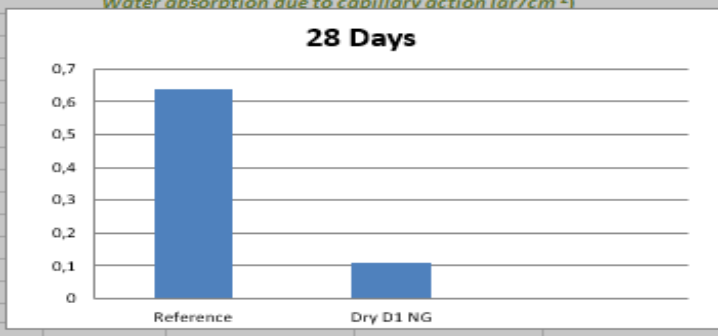
CONCRETE WITH DRY D1 NG - TESTS

CONCRETE – MIX DESIGN (kg/m³)

	Cement	Sand	Pebbles	Rubble	Admixture	Dry D1 NG	Water	W/C - %	Slump	Exudation	Air content
Reference	363	703	438	675	2,2	0	185	0,5	110	2,7	1,3
with Dry 1 – NG	363	703	438	675	2,2	10	185	0,5	110	3,2	1,4

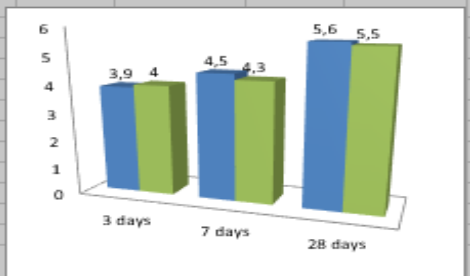
ASTM C157 - Dimensional Variation (%) - Air curing (23 ° C and 50% RU)

Water absorption due to capillary action (gr/cm²)

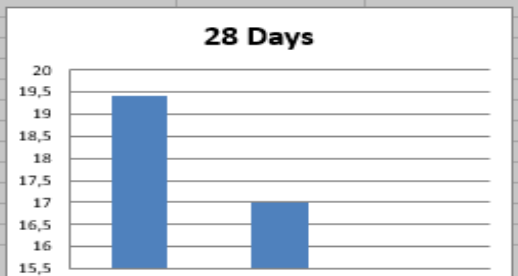


Fck - Compressive Strenght (Mpa)

Tensile for Flexural Strenght (Mpa)



Resistence to Abrasion (mm)



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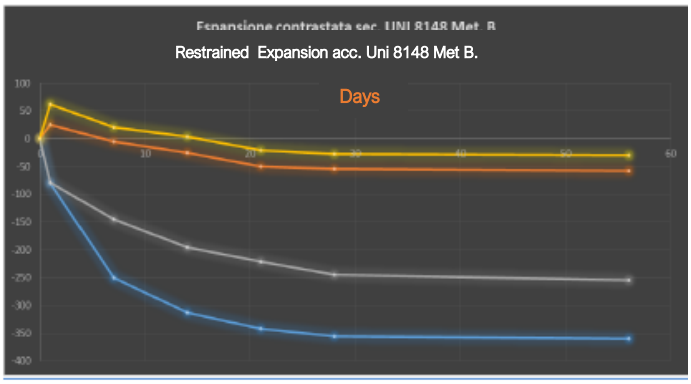

RESTRAINED EXPANSION ACC. UNI 8148 Met B.

Shrinkage/expansion test that highlights the different behavior of a classic concrete and one made with the new Dry.

SUGGESTED DOSAGE AND PREPARATION

The dosage depends on the “specific performances” requested from the concrete, it is usually between 2.5 and 3.5% of the cement dosage, 8-15 kg/m³ of CLS. DRY D1 can be added along with aggregates into the mixer and is compatible with any components and additives that make up the mixture.

PACKAGE

It is :
Bags kg 20
big bags kg 750
bulk

STORAGE

DRY D1 NG must be stored in the original packages in a dry-covered place. For quality, the shelf life of the product depends on the state of storage which under optimal conditions is not less than 12 months

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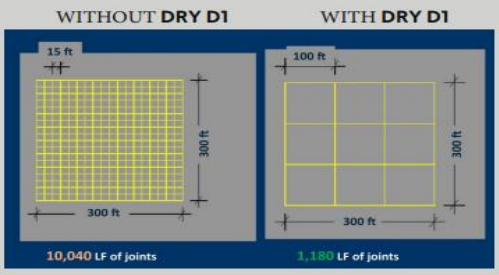
DRY D1 Advantages

Reduction of shrinkage cracks

Large dimension slab



Strong reduction in joint opening

up to approximately 80% smaller aperture

EPD Certificate for DRY D1 NG (Environmental Product Declaration)

EPD®
THE INTERNATIONAL EPD® SYSTEM

Scan the QR CODE for the direct link to the EPD page

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Chimica Edile s.r.l –
LOC. LA VALLE – VIA DEI MANISCALCHI 58043 CASTIGLIONE DELLA PESCAIA -GR- ITALY –
Tel: +39 0564 935223 Mail: info@chimicaedile.it