

by **3D PANEL**



The company implements a certified
Quality Management System
by TCert, s.r.o ISO 9001:2015



3D ADMIX

PRODUCED & PACKAGED IN GREECE



SPECIFICATIONS

3D Admix is a powder made from **naturally modified minerals**, that while being added in cementitious mortars, gives them **high workability** by replacing lime completely, while **saving cost** and **providing better performance in the final result**.

USES

3D Admix is widely used in cementitious mortars applications, although is specifically designed for the 3D Panel component.

Its uses are:

- Component element 3D Panel
- Brickwork
- Manufacture of coatings for marble & slab installation
- Construction of stone walls

ADVANTAGES

- Complete replacement of lime in cementitious mortars.
- Optimum adhesiveness of cementitious mortars.
- Elongation on coagulation period.
- Better workability.
- Gives higher water resistance to the masonry.
- Eliminates the formation of lime eruptions (flakes).
- Does not corrode metals and is user-friendly, as well as environmentally-friendly.
- Easy transport, storage and use.





TECHNICAL CHARACTERISTICS	
Color:	Beige
Specific. weight:	750kg/m ³ (loose dense)



MIX PORTION **

2-2,5 kg of 3D Admix in mix of 25 kg cement. But always depending on the quality of the sand (fine or coarse).



Shotcrete cement mortar on the 3D Panel masonry wall with regular or reinforced pump machine

COMPOSITION 1/8m³ (1 blend)	CEMENT 50 kgr	3D ADMIX 5 kgr <small>or 2 1/2 shovels</small>	SAND COARSE 30 shovels <small>or washed 6 cans</small>	FIBERS POLYPROPYLENE 112.5 gr
	CEMENT 400 kgr	3D ADMIX 40 kgr	SAND COARSE 48 cans	FIBERS POLYPROPYLENE 900 gr

*Water as much as it is required until the mixture obtains workability.
 **All blends can be proportionally fluctuated in the use of 3D Admix.

PACKAGING

Packed in 35kg bags and distributed to a 1750 kg Europallet wrapped in stretch film. Each Europallet contains a total of 50 3D Admix bags.





STORAGE - TRANSPORTATION

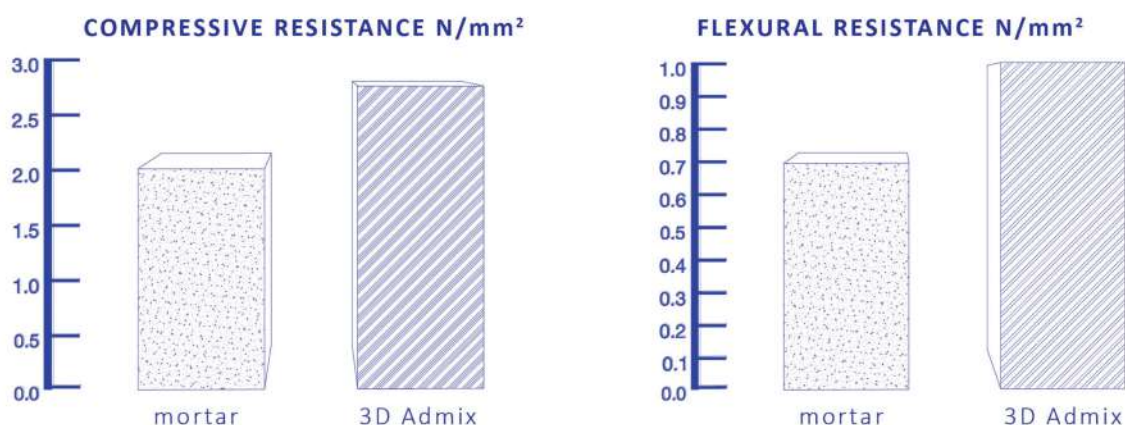
Unlimited storage time in a shady place for preventing stretch film decomposition.
Transportation by fork-lift trucks.

COMPARISON OF MATERIALS

MORTAR COMPOSITION 1m ³	MEASURE- MENT UNIT	USE OF 3D ADMIX	USE OF LIME
SAND	m ³	1	1
CEMENT	kg	200	200
3D ADMIX	kg	16	-
LIME	lit	-	240

Based on the results of laboratory tests carried out - at EKEPY - it is evident that the use of 3D Admix significantly increases the compressive and flexural strength of the plaster (of 200 Kg of cement).

3D Admix fully meets the required specifications.



*Source EKEPY A.Π.: 579/15-01-03



1. SHOTCRETE CEMENT MORTAR



2. DETAILS OF SHOTCRETE PROCEDURE



3. SHOTCRETE CEMENT MORTAR



4. ALIGNMENT OF CEMENT MORTAR



5. DETAILS OF CEMENTS' MORTAR TEXTURE



6. COMPLETION OF CEMENT MORTAR



7. ROUGHCAST, PHASE I



8. ROUGHCAST, PHASE II



9. STONE COATING



The 3D Panel,

is a construction and trading company offering an **alternative masonry system**.

Innovation is one of the most important features of 3D Panel technology that make it more efficient than conventional construction techniques. It eliminates the use of bricks in masonry using manufactured expanded polystyrene panels. This results in a significant **reduction in working hours**, which also **reduces the overall cost of the construction**.

It focuses on **earthquake resistance, speed, low construction cost** and **high energy efficiency**.

sales management department



distribution throughout Greece



www.3dpanel.gr

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