

TECHNICAL DATA SHEET

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Thixotropic pre-mix suitable

LEDAN° TA3/N



Mixture suitable to the filling up of very large cracks in structural systems.



to carry out the filling

in vaults also frescoed.

and 40 mm.

Cracks width between 15

up of cracks also deep in

masonries and particularly

COMPOSITION OF FORMULATION

It is made up of special hydraulic binders (C30), chemically stable and with very low soluble salt contents, pozzolana, calcareous and siliceous retentive and airing additives. The special formulation, produced in 1/10,000 planetary dispersion for a time not under 20 minutes, forms a homogenous pre-mix of white colour.

APPLICATION FIELDS

The product, is used to execute interventions of quick and efficient inerts and a special combination of fluidifying, structural consolidation of cracked manufactures.

> Fast initial setting and controlled expansive power

PREPARATION'S **INSTRUCTIONS**

LEDAN TA3/N is a pre-mix ready for use with the only adding of

Fast initial setting, prepare just the amount injectable in 15 minutes.

Knead energetically, for about two minutes, LEDAN TA3 with clean water;

RECOMENDED DOSES					
USE	LEDAN TA3	WATER			
FILLING OF CRACKS	10 Kg	8 lt			
FILLING OF BIG VOIDS	10 Kg	6 lt			

INSTRUCTIONS FOR USE



- 1) Firstly drill the holes and remove well friable and incoherent parts.
- 2) If possible wet the surfaces
- 3) Add water to LEDAN TA3, mixing energetically with electrical equiment.
- 4) Inject within 10 minutes.
- 6) Inject "uninterruptedly" to avoid occlusions, by air pistols or by special machine having exit nozzles with diameter not less than 10 mm.

LIMITS FOR THE USE



LEDAN TA3 is lime based mixture, therefore avoid application in periods of extreme cold (with minimum temperatures less than 5°C) or extreme heat (with maximum temperatures over 35°C)



EQUIPMENTS FOR USE

LEDAN TA3/N is applicable by air pistols and equipment at cochlea with continuous alimentation, such as to allow the total filling up of the crack without interruptions.

PHYSICAL - CHEMICAL FEATURES						
SPECIFIC WEIGHT	1,4 Kg/Dm³	MEDIUM	ADHERENCE	1,9 N/mm²	GOOD	
INITIAL SETTING	1 HOURS	MEDIUM	EXUDATION	NONE	EXCELLENT	
FINAL SETTING	2,5 HOURS	MEDIUM	STEAM PERMEA- BILITY	8 μ	GOOD	
WORKABILITY	20 minutes	MEDIUM	ELASTIC MODULE	20 000 N/mm2	MEDIUM	
RESISTENCE TO COMPRESSION	27 N/mm²	GOOD	WATER RETENTION	>7%	EXCELLENT	
RESISTENCE TO BENDING	8 N/mm ² (28 gg)	MEDIUM	SHRINKAGE	1,90 μm	EXCELLENT	

N.B. The material was characterized bearing in mind its own application modalities. The numerical values refer to averages revealed on laboratory supports reproducing problems inherent in building structures.



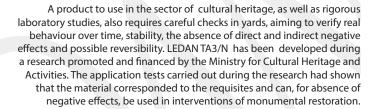
EFFLORESCENCE

To evaluate if possible soluble salts present in a mortar may cause undesired chemical and chromatic alteration phenomena, it is possible to carry out a test according to the RAL 544/3 regulations in the laboratory. The formulation LEDAN TA3/N undergoing such a test does not cause efflorescence phenomena.



DURABILITY

Some LEDAN TA3/N samples undergoing an accelerated aging cycle, simulating a natural ageing of around 20 years, have demonstrated a performance drop of under 4%.



EXPERIMENTATIONS CARRIED OUT IN YARDS CHECKED BY THE MINISTRY FOR CULTURAL HERITAGE AND ACTIVITIES

SPECIFICATION ENTRY



Injections for re-adherence and filling up of voids in ornamental systems. LEDAN TA3/N is a low specific weight mortar withexpansive power and very low soluble salt content.

Tests carried out at Domus Aurea in Rome had shown a perfect filling of big voids with reduced weight.



STORAGE

If conserved in a dry place and closed containers the product is conserved for 24 months.



PACKAGES

Buckets of: 15 Kg

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