



## LEDAN D1

LEDAN D1 is widely preferred in conservation projects, particularly in fresco and plaster restoration, as it offers a mineral-based and compatible system, unlike resin-based products such as Paraloid.

### Product Description

LEDAN D1 is a highly fluid injection mortar specifically developed for the consolidation of historic plasters and frescoes.

- Used for re-adhering and strengthening plaster layers carrying paint and frescoes when detached from the wall
- Effective in filling micro-cracks and voids

### Key Features

- High penetration (does not require pre-wetting)
- High adhesion (even on dry surfaces)
- Does not cause efflorescence
- Resistant to sulphates
- Chemically compatible with historic materials
- Natural lime-based binder system

### Typical Physical & Mechanical Properties

Property	Typical Value
Density	~1.02 kg/dm <sup>3</sup>
Workability time	~1 hour
Initial setting time	~24 hours
Final setting time	~48 hours
Compressive strength	~6 N/mm <sup>2</sup>
Flexural strength	~2 N/mm <sup>2</sup>
Modulus of elasticity	~5000 N/mm <sup>2</sup>
Water retention	>80%
Vapour permeability	Good (~6 µm)

### Applications (Restoration)

- Re-adhesion of frescoed plasters
- Stabilization of detached plasters
- Filling of micro-cracks



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- Internal structural consolidation of historic buildings

### Application

- Typically applied using a syringe or injection system
- Fine nozzle ( $\geq 2$  mm) is recommended
- Should be applied under low pressure

### Advantages

- ✓ High compatibility with historic structures
- ✓ No efflorescence formation
- ✓ Long-term stability (tested over 20+ years)
- ✓ Provides mechanical and chemical balance



Professional Use



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Profesyonel Kullanım

Profesional use only

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