

BIOLOGICAL COLONIZATION (MOSS AND ALGAE)

Mostra

Basement of the apse built in carbonated sandstone. Santa Maria la Mayor church. Alcañiz. Teruel. Spain.

Causes de la patologia

Water and moisture retention, deposition and fixation of structures from colonizing species on sanded areas of the ashlar.

Soluble salts from the ground, from the repair mortars, and probably from fertilizers used in the maintenance of the garden, with which this area is in contact, added to repeated drying-moisturising cycles. This has generated flaking and disintegration of the surface stone texture creating a surface roughness that has favoured the fixation and growth of moss (and probably algae, too).

Imatge de visu



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Descripció: Biological colonization in detached surfaces of the ashlar.

Imatge detall / macro



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Augments: scale

Descripció: Different species of mosses (and probably algae, too) developed on the sanded areas of the ashlar. Their growth and development favours the contour scalling of the ashlar surface initiated by crystallization cycles of soluble salts.

Patologies associades

Contour scalling.

Flaking.

Sanding.

Moisture retention.

Bibliografia

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