

Natural Stone

repair, replicate and protect

If building socles, window sills or mouldings crumble, historical buildings lose their gloss and valuable structure. Besides disintegration, natural stone is also afflicted with abrasion, which is frequently the case with staircases.

With the sandstone rehabilitation system of epasit, you can repair, replace and replicate natural and artificial stone. Its components are permanently adapted in colour and structure to the original. It can be processed easily and fulfills the requests of the preservation of monuments.



OBJECT EXAMPLE VILLA MERKEL, ESSLINGEN

To repair, as well as to cast missing facade parts such as baluster, the sandstone rehabilitation mortar was mixed individually according to the sample.



OBJECT EXAMPLE DEUTSCHER KAISER, KOBLENZ

First, the rock in the upper floors have been stabilised with sandstone hardener. Undermined stones, as well as the strongly disintegrated and partly taken down battlement at the spire have been renovated with the sandstone rehabilitation system. A multitude of busts of historical contemporaries have lovingly been remodelled.

Sandstone rehabilitation system S³ At a glance

- + epasit sv sandstone hardener
- + epasit fsm pointing rehabilitation mortar
- + epasit ssm fine sandstone repl.compound up to 0.4 mm
- + epasit ssm coarse sandstone repl. compound up to 1.2 mm
- + epasit fx Fixal (mixing fluid for ssm)
- + epasit st sandstone rehabilitation slurry
- + epasit ip 237 waterproofing



100 110 120 130 140 150

Sandstone rehabilitation mortar and stone milk-of-lime are available in six standard colours which can be mixed among one another. In addition, we mix every desired shade of colour according to the sample. Please note: The printed colours can slightly vary from the original.

epasit[®]
Systems provide protection



SYSTEMS
PROVIDE PROTECTION

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Sandstone rehabilitation system S³ EFFECTIVE AGAINST THE RAVAGES OF TIME



NATURAL STONE

REPAIR

REPLICATE

PROTECT

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The challenge

Natural stone exists in innumerable shades. If it is repaired with a conventional supplementary material, the dubbed sections do not disintegrate to the same degree like the original stone, and 'anchorages' become visible. In most cases, however, it is not possible or too expensive to procure the original stone.

The solution:

Advantages of the sandstone rehabilitation system

- + It bonds without anchorage on every mineral substrate
- + It forms no 'anchorages'
- + Colours and grain structures can be mixed individually according to the sample
- + In fine graining it can be spread "to zero"
- + It is possible to reshape profiles
- + After curing, it can be masoned by the stonecutter like natural stone.
- + It is dimensionally stable and without internal tensions
- + It can also be cast or pressed into forms or formwork. It does neither crack nor shrink.
- + It fulfils the stringent requirements of the preservation of monuments
- + It can be masoned easily

Typical fields of application

The mineral system is used for repairing or modelling facades, figures, profiles, socles, stairways and floors out of sandstone, limestone, chalky sandstone, artificial stone and concrete.

Application method

1

Firstly create a clean and stable underground and, if necessary, saturate friable rock various times with the sandstone hardener *epasit sv*.

2

Mix the sandstone replacement compound *epasit ssm* with *epasit fx* Fixal to a bonding slurry, which can be applied easily, and apply it on all contact areas.

3

Mix *epasit ssm* and *epasit fx* Fixal to a sandstone rehabilitation mortar (it should not fall from the trowel) and apply it on the still moist bonding slurry (film thickness max. 3 cm).

4

After drying, it is possible to apply further layers without applying a new bonding slurry.

5

To fill up larger fragments, use the coarse-grained sandstone rehabilitation mortar.

6

After curing, the sandstone replacement can be masoned by the stonecutter.

7

To get a uniform shade, the surface can be covered with the stone milk-of-lime *epasit st ready* for immediate use.

8

By means of the water repellent finishing with *epasit ip 237*, the masoned surface is safely protected against rainwater.



PLEASE NOTE:

- + Do not use water as a fluid for mixing or diluting
- + Do not apply at outside temperatures lower than 5° C
- + Protect surfaces in the outdoor area against rain until they are cured