

System application

instead of isolated application

Owners of historical brick buildings, curators of monuments and masons in the entire world have to decide on how to restore historical buildings in the correct way. With the brick rehabilitation system, *epasit* developed an effective solution, in which components work perfectly together.



OBJECT EXAMPLE

TECHNICAL UNIVERSITY, KRAKOW

Numerous brick facades and vaults are restored with the *epasit* ZRS system. After a mechanical surface cleaning, masons firstly treat the bricks with a hardener. Larger fragments are replaced with a brick rehabilitation mortar, which is individually mixed in the original shade. After a thorough cleaning, undermined joints are pointed with coloured rehabilitation pointing mortar. The final waterproofing durably protects the facade from rain and environmental influences.

Brick rehabilitation system ZRS

PRESERVES THREATENED BUILDINGS



Brick rehabilitation system ZRS
at a glance



- + *epasit* sv sandstone hardener
- + *epasit* zrm brick rehabilitation mortar fine up to 0.4 mm
- + *epasit* fsm rehabilitation pointing mortar
- + *epasit* ip 237 waterproofing



epasit[®]
Systems provide protection

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BRICK

RESTORE

PRESERVE

PROTECT

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Advantages

of the brick rehabilitation system **ZRS**

Easy:

After many years of practical experience and experience in laboratories an effective, user-friendly system for restoring brick and clinker masonry without any problems, emerged.

Quick:

With the brick rehabilitation system you save time and money. The existing bricks are stabilized and missing substance is replaced. This procedure is cheaper and less time-consuming than the replacement with new bricks*. Moreover, the entire line is optically enhanced.

Individual:

Brick rehabilitation mortar is available in the three standard colours orange, red and wine. Individual colouring is possible without any problems. Our rehabilitation pointing mortar *epasit fsm*, developed especially for the requests of joints of listed historical buildings, is also coloured according to customer's requests.



Application method

- 1 Rake out undermined joints
- 2 Stabilize damaged or disintegrated bricks using the sandstone hardener *epasit sv*.
- 3 Replace missing brick parts by applying the brick rehabilitation mortar *epasit zrm* with a film thickness of max. 3 cm
- 4 Point undermined joints with the rehabilitation pointing mortar *epasit fsm*
- 5 Waterproof bricks and joints with the *epasit ip 237* waterproofing

If damages occur from rising moisture, a subsequent horizontal seal using a chemical injection is recommended (*epasit* injection system).



The sandstone hardener is applied with a brush



The rehabilitation pointing mortar is applied with a trowel

Aid for threatened monuments

Brick is the oldest building element manufactured by humans. Until today, brick and clinker facades in warm shades from bright orange to wine attract our attention. The beauty, of these buildings, is threatened by environmental influences, disintegration, penetration of or rising moisture as well as settlements in the masonry.

Epasit developed a convincingly easy system, with which bricks and joints can be restored carefully. It preserves the original appearance and gives brick buildings a long-lasting new shine.

