

3. Problem: Masonry repair

The existence of single cracks on plasters, which are present in a height of 30-40 cm below the ceiling, is usually caused by masonry brick movements. Sealing the cracks on the surface would most probably lead to a new crack. A complete solution involves the steps, presented below.

REPAIR OF CRACKED OR DETACHED MASONRY



1
A cracked or detached masonry results in cracks on plaster.



2
Firstly, the plaster is removed to a total width of 30 cm (15 cm on each side) along the entire length of the detachment.



3
Then, the area of the detachment is widened by breaking the surrounding bricks with a sharp tool.



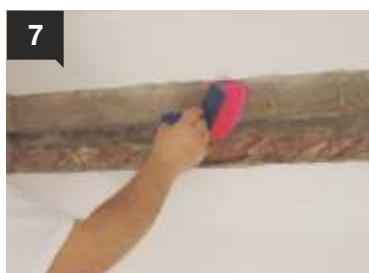
4
The entire area of the detachment is thoroughly cleaned with a brush.



5
Subsequently, the substrate is well dampened.



6
Finally, **DUROCRET**, **DUROCRET-FAST** or **RAPICRET** may fill the widened crack, as deep as possible, using a gauging trowel.



7
After the mortar has hardened, the surface is cleaned of any dust, etc. and is dampened.



8
A first coat of plaster is applied, using **UNICRET** or **UNICRET-FAST**, improved with **ADIPLAST** polymer latex.



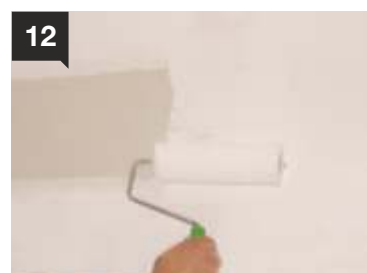
9
While the first coat is still fresh, a strip of **fiber-glass mesh** is placed and is slightly pressed onto the first coat.



10
After the first layer has dried, the surface is dampened and the second layer of **UNICRET** or **UNICRET-FAST** is applied.



11
After the plaster has slightly dried, it is rubbed with a sponge faced-float.



12
After the surface has dried, it is primed with **PRIMER CLASSIC**. In the end, it is painted with **ISOMAT CLASSIC**.

PRODUCTS

- **DUROCRET** Polymer-modified, repairing cement mortar. Consumption: approx. 15 kg/m²/cm of layer thickness
- **DUROCRET-FAST** Fast-setting, repairing cement mortar. Consumption: approx. 17 kg/m²/cm of layer thickness
- **RAPICRET** Fast-setting cement patching mortar. Consumption: approx. 17.5 kg/m²/cm of layer thickness
- **UNICRET** Mortar for plastering and masonry. Consumption: approx. 15.5 kg/m²/cm of layer thickness
- **UNICRET-FAST** Fast-setting, white, repairing mortar. Consumption: approx. 14.7 kg/m²/cm of layer thickness
- **ISOMAT CLASSIC** High quality emulsion paint for interior use. Coverage: approx. 12 m² per liter, per layer
- **PRIMER CLASSIC** Acrylic, micronized, water based primer. Coverage: 10-15 m² per liter, per layer
- **FIBER-GLASS MESH** High-strength plaster reinforcement