

# MASONRY REPAIR

## REPAIR OF CRACKED OR DETACHED MASONRY

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

### REPAIR OF CRACKED OR DETACHED MASONRY



A cracked or detached masonry results to cracks on plaster.



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



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



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



Subsequently, the substrate is thoroughly dampened.



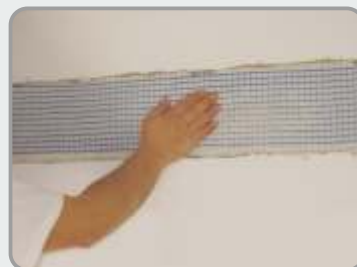
Finally, **DUROCRET**, **DUROCRET-FAST** or **RAPICRET** fill the widened crack as deeply as possible using a gauging trowel.



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



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



While the first coat is still fresh, a strip of glass mesh is placed and it is lightly pressed onto the first coat.



After the first layer has dried, the surface is dampened and the second layer follows with **UNICRET** or **UNICRET-FAST**.



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



After the surface has dried, priming with **FLEX-PRIMER** follows and finally painting with **FLEXCOAT** takes place.

#### MATERIALS

- **DUROCRET** Polymer modified repairing cement mortar (consumption: 15 kg/m<sup>2</sup>/cm of layer thickness)
- **DUROCRET-FAST** Fast-setting, repairing cement mortar (consumption: 17 kg/m<sup>2</sup>/cm)
- **RAPICRET** Fast-setting repairing cement mortar (consumption: 17.5 kg/m<sup>2</sup>/cm of layer thickness)
- **UNICRET** Plastering mortar (consumption: 15.5 kg/m<sup>2</sup>/cm of layer thickness)
- **UNICRET-FAST** Fast-setting, white, repairing mortar (consumption: 15 kg/m<sup>2</sup>/cm of layer thickness)
- **FIBER-GLASS MESH** High-strength plaster reinforcement