

1. Problem: Paint repair

REPAIR OF DAMAGED PAINT ON EXTERNAL WALLS

Paint detachment may occur due to wrong application (lack of priming, wet substrate), bad quality (very low strength, absorptivity) or the moisture coming from the back side of the wall.



1 After all possible moisture problems have been restored, the old paint is rubbed off with a putty knife in order for the bulges to be removed.



3 Then, the surface is thoroughly cleaned of any dust.



4 The substrate is primed with **FLEX-PRIMER**.



5 After the primer has dried, the surface is painted with **FLEXCOAT** in two layers.



6 The second layer of **FLEXCOAT** is applied, as soon as the first one has dried.

PRODUCTS

- **FLEXCOAT** High quality, elastic, waterproofing paint. Coverage: 8-12 m² per liter, per layer
- **FLEX-PRIMER** High quality acrylic water-based primer. Coverage: 5-10 m²/kg

2. Problem: Plaster repair

REPAIR OF RANDOM CRACKS ON PLASTER

Random cracks on plaster can be easily restored, as long as they are superficial and have not been caused by masonry cracks.



1 The crack is initially opened and all loose particles are removed.



2 Then, the crack is cleaned of any dust.



3 And slightly dampened.



4 **FLEX-COVER** is prepared, adding A-component (cementitious powder) into B-component (acrylic polymer dispersion) under continuous stirring.



5 The crack is sealed applying **FLEX-COVER** with a putty knife.



6 After the sealing material has dried, the surface is primed with **FLEX-PRIMER** and then painted with **FLEXCOAT**.

TIP: In this particular application, instead of **FLEX-COVER**, the elastoplastic acrylic sealant **ISOMASTIC-A** can also be used.

PRODUCTS

- **FLEX-COVER** Two-component, flexible putty. Consumption for sealing joint of 5 mm x 5 mm: 40 g/m of joint length
- **FLEXCOAT** High quality, elastic, waterproofing paint. Coverage: 8-12 m² per liter, per layer
- **FLEX-PRIMER** High quality acrylic water-based primer. Coverage: 5-10 m²/kg
- **ISOMASTIC-A** Elastoplastic acrylic sealant

REPAIR OF HAIR CRACKS ON PLASTER



The existence of hair cracks on plaster, is possible to lead to more serious problems, in case they are not tackled in time.



Firstly, the surface needs to be cleaned of dust, etc.



Then, the dry surface is primed with **FLEX-PRIMER**.



After the primer has dried, the surface is then painted with **FLEXCOAT** in two layers.



The second layer is applied after the first one has dried.

TIP: In case the cracks are multiple and intense, it is recommended to reinforce the first **FLEXCOAT** layer by reinforced, while still wet, with the polyester-fabric of 1 m width. Then, for the polyester-fabric embodiment, two more **FLEXCOAT** layers are needed. Alternatively, repairing multiple and intense cracks could be done with the use of the two-component, elastic putty **FLEX-COVER**, as described below.

PRODUCTS

- **FLEXCOAT** High quality, elastic, waterproofing paint. Coverage: 8-12 m² per liter, per layer
- **FLEX-PRIMER** High quality acrylic water-based primer. Coverage: 5-10 m²/kg
- **Polyester-fabric**, for reinforcing waterproofing layers (30 g/m²)

REPAIR OF INTENSE MULTIPLE CRACKS ON PLASTER



Intense hair cracks on plaster may occur due to its wrong application (deficient dampening during summer months, lack of plaster reinforcement when applied on thermal-insulating boards etc.), as well as due to its bad quality.



Firstly, the surface needs to be cleaned of dust, etc.



Then, it is primed with **FLEX-PRIMER** follows. Especially when plasters are relatively unstable, **FLEX-PRIMER** is needed to stabilize their surfaces.



FLEX-COVER is prepared by adding A-component into B-component under continuous stirring.



After the primer has dried, **FLEX-COVER** is applied with a putty knife on the cracked surface in one layer.



After the **FLEX-COVER** layer has dried, it is necessary to prime with **FLEX-PRIMER** and paint with **FLEXCOAT**.

PRODUCTS

- **FLEX-COVER** Two-component, flexible putty. Consumption for puttying surfaces: 1.6 kg/m²/mm of layer thickness
- **FLEXCOAT** High quality, elastic, waterproofing paint. Coverage: 8-12 m² per liter, per layer
- **FLEX-PRIMER** High quality acrylic water-based primer. Coverage: 5-10 m²/kg

REPAIR OF CRUMBLED PLASTER



1
If a plaster is not water repellent, it starts to crumble and it finally gets detached.



2
Firstly, all crumbling parts of the plaster are removed with a putty knife.



3
Then, the surface is cleaned of any dust.



4
Next, the surface is primed with **FLEX-PRIMER** or **NANO-SEAL**, in order to be stabilized.



5
The products used are **UNICRET** or **UNICRET-FAST**, improved with the addition of **ADIPLAST**.



6
Products are applied with a trowel, after the primer has dried.



7
After the plaster has slightly dried, it is treated (rubbed) with a sponge-faced float.



8
Once the plaster has dried, the surface is primed with **FLEX-PRIMER** and painted with **ISOMAT ACRYL** or **FLEXCOAT**.

PRODUCTS

- **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
- **ADIPLAST** Polymer latex for multiple improvement of mortars
- **ISOMAT ACRYL** High quality acrylic emulsion paint for exterior use. Coverage: approx. 12 m² per liter, per layer
- **FLEXCOAT** High quality, elastic, waterproofing paint. Coverage: 8-12 m² per liter, per layer
- **FLEX-PRIMER** High quality acrylic water-based primer. Coverage: 5-10 m²/kg
- **NANO-SEAL** Highly penetrative emulsion for waterproofing and stabilization of surfaces. Consumption: 0.1-0.2 kg/m²

REPAIR OF DETACHED PLASTER



1
Plaster falling off the wall may be due to its intense corrosion by water.



2
Firstly, all crumbled parts of the plaster are removed with a putty knife.



3
Then, the surface is cleaned of any dust.



4
The surface is primed with **FLEX-PRIMER** or **NANO-SEAL**, in order to be stabilized.



5
After the primer has dried, **DUROCRET**, **DUROCRET-FAST** or **DUROCRET-PLUS** is used. Their preparation requires only the addition of water.



6
The material is applied with a trowel.



7
After the material has slightly dried, it should be rubbed with a sponge-faced float.



8
After **DUROCRET** has dried, the surface is primed with **FLEX-PRIMER** and it can be painted with **ISOMAT ACRYL** or **FLEXCOAT**.

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
- **DUROCRET-PLUS** Polymer-modified, fiber-reinforced repairing cement mortar. Consumption: approx. 16 kg/m²/cm of layer thickness
- **ISOMAT ACRYL** High quality acrylic emulsion paint for exterior use. Coverage: approx. 12 m² per liter, per layer
- **FLEXCOAT** High quality, elastic, waterproofing paint. Coverage: 8-12 m² per liter, per layer
- **FLEX-PRIMER** High quality acrylic water-based primer. Coverage: 5-10 m²/kg
- **NANO-SEAL** Highly penetrative emulsion for waterproofing and stabilization of surfaces. Consumption: 0.1-0.2 kg/m²