

Gross repair mortar for surface repairs (5 - 30 mm)

DEFINITION

REPAIREX 100D, is a unary which makes a 5-30 mm thickness in the applied surfaces, in the consistency of thixotropic-trowel, polymer modified gross repair mortar.

AREAS OF USAGE

- * Repair of concrete structures and surface finish.
- * Repair and smearing of gross concrete surfaces.
- * Smearing and repair of walls and ceilings.
- * Under ceramic concrete repair and surface finish.

CHARACTERISTICS

- * High bonding strength on the applied concrete surfaces.
- * Provides smooth surface finish.
- * With its non-shrink, non-creep characteristic, cracks do not occur.

TECHNICAL DATA

Mixture density	1.900 kg / liter
Working time	30 minutes (+20°C)
Water content	Powder product ~ 22%
Application temperature	+5°C / +30°C
Service temperature	-20°C / + 80°C
Adhesion to concrete	> 1 MPa
Color	Grey
Compressive strength (N/mm ²)	> 10 (28 days)

APPLICATION

Preparation of the surface

* Before the REPAIREX 100D application, surface should be purged from impervious materials such as dust, oil and cure. Damaged places on the surface should be repaired. Surface should be roughened in order to improve adhesion.

* Water leakage from the structure to the surface should absolutely prevented.

Otherwise leaked waters would dissolve the material before it sets.

* The temperature of the application surface should not be high.

* Surfaces should be waterlogged 6 hours before the application and remaining water should be purified.

Preparation of the mortar

REPAIREX 100D, is added to the water and stirred.

Water to powder product content 22 %

(Do not use a water with pH value lower than 5.5)

First, 4-5 liters of water is put to a container, then 20 kg of material in the bag is added and they are continuously stirred for 4-5 minutes.

After a rest of 2-3 minutes, it is stirred for 30 seconds and then application is done.

Application of the mortar

* REPAIREX 100D, is applied to moist concrete surface with a trowel.

* It is waited for mortar to withdraw its water and fancy work is done by dabbling and with a steel or wooden trowel.

* Thickness per application should be between 5-30 mm.

In the high temperature and sunny environments; application should be done during morning and evening fast and continuously, material should be kept in shade, cold mixing water should be used and surface should be cured for 24-48 hours after the application.

In the low temperature environments; with a condition of the temperature is below 5°C and the surface is not frozen, application should start towards noon and material should be kept in heated environment, hot mixing water should be used (50 °C max) and surface should be protected against frost after the application.

CURING

The surface applied in a windy, dry and wide environments should be protected against fast evaporation for a duration of 48 hours with curing materials.

CONSUMPTION

~ 15 kg / m² / 1cm

SAFETY MEASURES

Products' contact to the eye and skin should be avoided during application and mixing and in the case of contact it should be washed with lots of water and a doctor should be consulted.

PACKAGING AND STORAGE

REPAIREX 100D is in moisture resistant 20 kg bags.

Shelf life is 6 months in dry and protected environment