



# mr.Tamcrete 100®

## Construction and repair mixture

Product code: 50.25.005



### About product

**mr.Tamcrete 100®** is a construction and repair mixture with concrete based, single component, polymer and fiber mixture, not peeling off, smooth.

### Usage fields

- ✓ In repair of reinforced concrete construction fields
- ✓ Protection of concrete from the affect of sulphate and chlorine;
- ✓ Repair and control of building in the sea
- ✓ Repair and protection of the historical monuments under the sub ground
- ✓ Smoothing of repair and surface of non-smooth parts of high tension concrete and its parts
- ✓ In mounting of ready concrete construction items manufacture in the plant
- ✓ Used in light and interim weight floors with special cover and surface repair

### Advantages:

- ✓ Only mixed with water and applied easily
- ✓ Create high adhesion in concrete and supply
- ✓ Have high pressure resistance
- ✓ Have high thixotropic feature
- ✓ Waterproof
- ✓ Resisting to frost and fusion
- ✓ Durable against chlorine and sulfate
- ✓ Durable against oils

### Usage specification

Preparing of the surface;

It is paid attention to ensure the surfaces should be strong, dry, clear, dustless and non-conveyable. The surface must be cleaned from all remainders of grease, rust, thick lubricating oil, rust and paraffin that will weaken the sticking and no surplus fragments must be on the surface. The edges of the surface must be cut

uprightly as far as possible, the rust in the place of supply must be cleaned, if necessary, be supplied again. If there is any leakage water must be sucked up or prevented with the proper cork. The area of application must become saturated, but no surplus water must be remained.

### Technical Specifications

Content of the material	Mineral aggregates, synthetic admixture and special cement
Colour	Grey
*Resistance to pressure	
Day 1	>20N/mm <sup>2</sup>
Day 7	>50N/mm <sup>2</sup>
Day 28	>60N/mm <sup>2</sup>
*Resistance to bending (28 days) (TS EN 196)	>8,0 N/mm <sup>2</sup>
Adhesion to concrete (28 days)	≤ 2,0 N/mm <sup>2</sup>
Elasticity module (28 days)	>20.000 N/mm <sup>2</sup>
Capillary water sponge (TS EN 13057)	0,5 kg.m <sup>-2</sup> hour <sup>0,5</sup>
Application thickness	Min. 10mm Max. 40mm
Heat of applied surface	+5°C +30°C
Service heat	-20°C +400°C
Using period (+20°C)	30 minutes.
Term for walking on it (+20°C)	24 hours
Full raw material term(+20°C)	28 days
Mixture's density	2,25 kg/liter

Above mentioned numbers are given for +23°C and 50% humidity obtained as a result of tests made 4x4x16 mixture prism. High temperature shortens the period and low temperature increases the period.

### Preparation

The water to be used is filled a clean dish and mixed with mixer by 400-600 for 4moments by adding Mr. Tamcrete 100® until bubbles dissolved. After waiting for 4 moments and then remixing for 30 seconds, the product is ready for use.

### Mixture comparison

For 1 kg powder ~ 0,16 water  
For 25 kg powder ~ 4,00 water

### Consumption

~19,00 kg/m<sup>2</sup> are applied for 10 mm thickness.

### Cleaning of the tools

Tools and equipments used after application must be cleaned with water. mr. Tamcrete 100® may be cleaned from the surface mechanically after it hardens.

### Storage conditions

Store in an unopened original packing, cool and dry place protecting against freezing. In short-term storage 3 rows must be put in all and be carried by means of system of first entry and first exit. In long-term storage they must not be put in all.

### Storage period

1 year from production date under proper store conditions. Opened bags must be used within one week by keeping in the proper storage conditions.

### Safety measures

During the application, uniform, protective glove, glasses and mask suitable for the working and health conditions must be used. For negative effects of raw material, do not touch the contents to the skin and eyes, otherwise you must wash the same region with water and soap well and if you swallow it apply to the doctor immediately. Do not allow the foodstuffs to the areas where the material is applied. Keep out of reach of children.

For detailed information please refer to the Safety Information Form.



### Responsibility

Mr. Fix is only responsible for the quality of the product and our company is not responsible for the usage out of written offers regarding where and how the product shall be used or dangerous usages. We ask you to demand product manual and contact with responsible persons regarding the necessary support.

**Net: 25 kg ±2%**