# TECHNICAL DATA SHEET

## AMERIN® RMT

Filled primer

### 1. *Description:*

Component A is a modified solvent-free epoxy resin filled with inorganic fillers
Component B is a modified cycloaliphatic polyamine

### 2. *Characteristics:*

- excellent adhesion to concrete, cast stone, old resin floors, stoneware and other non-porous surfaces
- excellent mechanical resistance
- excellent resistance to water, salt, base, petrol and oil
- very good chemical resistance
- wide range of application

### 3. *3. Areas of use:*

- as a primer of epoxy systems for concrete, cement screed, cast stone, old resin floors, stoneware and other non-porous surfaces
- filled with quartz sand for making levelling mortar and epoxy concrete of high strength and various composition
- for repairing failures of concrete and crackings
- it can be used as a primer for the polyurethane based products if scattered with quartz sand for the firm adhesion before the application of the polyurethane coating and the full curing time (min 24 hours at 20 °C)

### 4. *Technical data:*

**Mixing ratio:**

| | |
|---|---|
| **AMERIN® RMT** component „A” | 4 parts by weight (kg) |
| **AMERIN® RMT** component „B” | 1 parts by weight (kg) |

| | Component „A” | Component „B” | The mixture |
|---|---|---|---|
| Appearance | liquid of inert colour | colourless, clear, transparent liquid | |
| Density, at 20 C°, g/cm$^3$ | 1,66-1,71 | 0,98-1,02 | appr. 1,48 |
| Viscosity at 25 C°, mPas | 14 000-19 000 | 70-110 | 1200-1500 |

| | The mixture |
|---|---|
| **Gel time 100 g, at 25 C°, min** | 110-130 |
| **Pot life at 20 C°, min** | kb. 35 |
| **Minimum temperature during hardening, oC** | + 7* |
| **Suggested temperature during application, oC** | + 10 - + 20 |
| **Suggested relative humidity during application, %:** | max.85 |
| **Overcoating time at 20 C°, hours** | 12-36 |
| **Resistant to foot traffic at 20 C°, after./ hours** | 12 |
| **Resistant to mechanical loading at 20 C°, after/ days** | 2 |
| **Full hardening-time, resistant to water and chemicals, at 20°C, days** | 7 |

* Attention! Below 10-12 ºC hardening time changes significantly.

| | Hardened material** |
|---|---|
| **Compressive strength, N/mm2** | min. 60 |
| **Shore D hardness** | 70-76 |
| **Adhesion to concrete** | concrete tears off |
| **Water resistance** | resistant |
| **Chemical resistance** | according to chemical resistance list |
| **Combustibility** | on non-combustible substrate hardly combustible |
| **Flame spreading** | on non-combustible substrate moderate flame spreading |

** Determined after the 7-day full hardening time

## 5. ***Requirements to the substrate:***

See *Application Instruction of Amerin Products*

## 6. ***Surface preparation:***

See *Application Instruction of Amerin Products*

## 7. ***Mixing of components:***

See *Application Instruction of Amerin Products*

## ***8. Application:***

### *8.1. Priming:*

For application use a rubber squeegee or a metallic smoother. Right after application the fresh coating should be scatterd with 0,1-0,5 or 0,4-0,8 mm quartz sand to ensure adhesion of the next layer.

General consumption: **AMERIN® RMT**: 0,3-0,6 kg/m²

Levelling of the the surface may be done through applying one layer of the following system:

1 kg **AMERIN® RMT** with max. 0,5 kg of 0,1-0,5 mm quartz sand

### ***8.2. Levelling:***

If necessary the repair of the substrate can be done a day after the priming according to the following:
Upto 0,5-1 mm thickness

- 1,0 part by mass of **AMERIN® RMT** consumption appr. 0,8 kg/m²/mm
- 1-2 parts by mass of quarz sand (Ø 0,1-0,5 mm)

***8.3.Overcoating:***

An AMERIN® topcoat (e.g.: AMERIN® DT-4, DT-V, etc.) can be applied the day after the application of priming no. 8.1 or if necessary after the application of equalization no. 8.2.

***8. Packaging:***

In 25 kg units („A" comp 20 kg, „B" comp. 5 kg)
Other packaging is possible on request.

***10. Shelflife:***

12 months for both Component A and B (For information on storage see *Application Instruction of Amerin Products*)

***11. Work and Health Safety:***

The cured material is physiologically harmless. Information on components can be found in *Material Safety Data Sheets.*

***12.Fire protection classification:***

Class III. (both components are inflammable)

***13.Cleaning:***

The components and the uncured mixture can be removed with AMERIN® H-1 thinner. The cured material can be removed by mechanical means only.

***14.Handling and disposal of waste:***

The cured material can be disposed with domestic waste.
Remnants in the can must be handled as dangerous material and as residue of lacquer.

This technical data sheet has been composed to the best of our technical knowledge, experiences and experiments. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions.

Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

For more information contact the manufacturer or his representative

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