



TECHNICAL DATA SHEET

AMERIN® D-2/GT PRIMER

1. Description:

Component A is a modified solvent-free epoxy resin.

Component B is a modified cycloaliphatic polyamine.

2. Characteristics:

- outstanding quality
- wide range of application
- excellent general features like mechanical resistance, resistance to water, salts, alkalies, fuel and oil, very good general resistance to chemicals etc.
- excellent filling with quartz sand
- dry heat resistance for short term: - 30 C° to +105 C°, long term up to +60 C°
- wet heat resistance for short term: + 60 C°, long term +50 C°.

3. Areas of use:

- as the primer of epoxy systems on concrete, for cement screed
- for impregnation of concrete
- filled with quartz sand for making levelling mortar and epoxy concrete of high strength and various composition
- for repairing cracks in concrete
- it can be used as a primer for the polyurethane based products as well, but has to be scattered with quartz sand for the firm adhesion and after full curing time (min 29 hours at 20 °C)

4. Technical data:

Mixing ratio:

AMERIN D-2/GT component A

2 parts by weight (kg)

AMERIN D-2/GT component B

1 parts by weight (kg)

	component „A”	component „B”	Mixture
Appearance	slightly yellowish, clear, transparent liquid	colourless, clear, transparent liquid	
Density, at 20 C°, g/cm³	1,12-1,17	1,00-1,12	appr. 1,09
Viscosity at 25 C°, mPas	4300-6300	60-100	450-750



TECHNICAL DATA SHEET

	The mixture
Gel time, 100 g, at 25 C°, min	35-55
Pot life at 20 C°, min.	appr. 25
Minimum curing temperature as a primer, C°:	+ 7*
Suggested temperature during application	+ 15 - + 20
Relative humidity during application, %	max.85
Overcoating time at 20 C°, hours	15-36
Resistant to foot traffic at 20 C°, after... hours	24
Coating can be mechanically loaded at 20°C, days	3
Time of full hardening, coating becomes resistant to water and chemicals, at 20°C, days	7
Volume shrinkage during curing, %	max. 4
Linear shrinkage during curing, %	max. 0,4

*Attention! Curing time significantly increases below 10-12°C!

	The fully hardened material*
Compressive strength, N/mm ²	min. 60
Bending strength, N/mm ²	min. 45
Tensile strength, N/mm ²	min. 45
Shore D hardness	70-76
Bonding strength to concrete	the concrete tears up
Water resistance	resistant to water
Chemical resistance	according to resistance list
Combustibility	on non-combustible substrate hardly combustible
Flame spreading	on non-combustible substrate moderate flame

*Determined after the 7-day full cure 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



TECHNICAL DATA SHEET

8. Application:

Consumption data given below are valid only on smooth, even, non-cracked, voidless, type of at least C-16, dry (moisture content max 3,5%) concrete.

8.1. Priming

Consumption of AMERIN D-2: approx 0,3 kg/m² depending on substrate absorbency

Application: with Teddy-roller and rubber squeegee.

Ponding of the primer should be avoided!

In most cases quartz sand should be scattered on the fresh coating (depending on the thickness and type of the following layer).

8.2. Equalization

If necessary the substrate can be repaired **upto 5 mm thickness** the day following the priming as below:

- 1,0 part by weight AMERIN D-2GT, consumption of resin approx. 0,25 kg/m²/mm
- 2,0 parts by weight quartz sand (Ø 0,1-0,5 mm)
- 3,0 parts by weight quartz sand (Ø 0,6-1,2 mm)

For repairing thicker than 5 mm layers AMERIN D-2 is recommended.

8.3 Overcoating

An AMERIN topcoat can be applied after application of priming no. 8.1 or if necessary after the equalization no. 8.2.

Caution! On an equalized surface it is necessary to do a preliminary closing of pores with thixotropic AMERIN DT-4 if you want to produce a self-levelling layer afterwards. This is made by mixing AMERIN DT-4 with 2-4 % thixotropic agent.

9. Packaging:

In 27 kg units (Component A: 18 kg, Component B: 9 kg)

Material can be supplied in other packaging units on request.

10. Storage life:

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.



TECHNICAL DATA SHEET

14. Handling and disposal of waste:

The cured material can be disposed of with domestic waste.

Remnants in the can must be handled as dangerous material and as residue of lacquer.

15. Licences and certifications:

A-733/1994.

CE: 90-07-0201 TSUS

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.

October, 2013.

Amerin D-2/GT ENG3.