



# MAROTHAAN

## 2-COMPONENT POLYURETHANE COATING

### SMART ADVANTAGES

- Certified for use in food industry
- PIEK certified (noise reduction)
- Excellent wear resistance

### DESCRIPTION

Marothaan is a self-levelling, elastic, solvent-free, 2-component, polyurethane finishing.

### APPLICATION

Marothaan is ideally suited to waterproof and finish floors in:

- Trailers
- Trucks
- Units
- Storage areas
- Climate control installations

### FEATURES

- Solvent free
- Wear resistant
- Easy and fast application
- Self-levelling
- Anti corrosion
- Damages easy to repair
- Certified for indirect food contact
- Complementary with products MAROCOAT, MANDURAX and MAROTOP

### METHOD OF USE

The surfaces must be clean and free of dust and grease. When used in trailers, the floor must be levelled. Do not expose Marothaan to bright sunlight, because UV may cause discoloration. Optimal application temperature is +20 °C, we advise a minimum of +15 °C

Prepare the substrate with Primer 209 (2-component) as follows:

**Wood** (Plywood, birch or beech quality): Remove any varnish or paint coats; apply Primer 209 with a roller or a brush. Wood must be absolutely dry! Be particularly careful with fresh wood, residual moisture content must not exceed 15%. Fill seams between wooden panels or between different materials with glass fibre strips embedded in Primer 209.

**Concrete:** Floor must be dry and at least 6 months old. Apply Primer 209 with a roller or brush. Humidity rising up from the ground must be prevented at all times.

**Polyester:** Roughen with coarse sandpaper; wash with acetone. Apply Primer 209 with a roller or brush.

**Marothaan:** Wash off old Marothaan with acetone. Apply Primer 209 with a roller or brush.

**Primer drying time:** For Primer 209, minimum 6 hours, maximum 18 hours. Apply Marothaan as soon as the Primer has dried.

TECHNICAL DATA		A component
CHARACTERISTIC		VALUE
Basic material		Polyol
Consistency		liquid
Viscosity	[mPa.s]	ca. 16,000
Specific gravity	[g/ cm <sup>3</sup> ]	ca. 1.64
Colour		Grey, off-white

TECHNICAL DATA		B component
CHARACTERISTIC		VALUE
Basic material		MDI
Consistency		Liquid
Viscosity	[mPa.s]	ca. 150
Specific gravity	[g/ cm <sup>3</sup> ]	ca. 1.20
Colour		Dark brown

TECHNICAL DATA		A + B components
CHARACTERISTIC		VALUE
Basic material		Polyurethane
Consistency		liquid
Viscosity	[mPa.s]	ca. 4,500
Specific gravity	[g/ cm <sup>3</sup> ]	ca. 1.54
Colour		Grey, off-white
Mixing ratio A/B In weight		100:22.5
Mixing ratio A/B In volume		100:31
Pot life (100 g, 20 °C, 55 % R.V.)	[min]	55
Curing time (can be walked on)	[h]	7
Curing time (capable of carrying load)	[h]	48
Hardness Shore A DIN 53505		98
Hardness Shore D DIN 53505		70
Tensile stress $\sigma$ max * DIN 53504	[N/mm <sup>2</sup> ]	14
Elongation $\sigma$ max * DIN 53504	[%]	20
Tensile stress at break * DIN 53504	[N/mm <sup>2</sup> ]	13
Elongation at break * DIN 53504	[%]	50
Tear propagation DIN 53515	[N/mm <sup>2</sup> ]	65
Young modulus	[N/mm <sup>2</sup> ]	70
Solvent content	[%]	0
Temperature resistance	[°C]	-30 to +90

\* Complete curing at 20 °C, 55 % R.H.

## STORAGE

Marothaan can be stored for 12 months in its original, unopened container in a dry place at temperatures between +5 °C and +30 °C.

## PACKAGING

- Marothaan A: Tin 5 kg and 10 kg, drum 250 kg, container 1,400 kg
- Hardener 4300 B: Tin 1.17 kg and 2.3 kg, drum 225 kg and 1150 kg (not included)

## FURTHER INFORMATION

The following publication is available on request:

- Material Safety Data Sheets (MSDS)
- Certificates:
  - Noise reduction (PIEK)
  - Food contact (ISEGA)
  - Friction coefficient (VDI 2700/14)
  - Friction coefficient (KaHo/VCAT)

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## SMART HELP

Please contact your local representative

