

## PRODUCT DATA

### MMAXGRIP™ PRMX 65

#### Bauxite 0.9 – 1.4mm

#### Brief Description

MMAXGRIP™ PRMX 65 is a MMA-based coating (MMA – polymethyl methacrylate) that was developed specifically for application to public main roads and side streets as well as other traffic zones. Its special properties make MMAXGRIP™ PRMX 65 particularly suitable for surfaces where coloured road markings are required.

#### Material

2-component, fast-reactive, flexible, pigmented MMA-based coating filled with bauxite (0.9 – 1.4mm).

#### Properties

- Superior abrasion-resistance, PSV of aggregate 70-80
- Superior skid resistance and grip > SRT 65 (SN 640 214 FGSO)
- Resistant to mechanical stress
- Chloride-resistant
- Easy and fast application
- Fast-curing
- Solvent-free

#### Areas of Application

MMAXGRIP™ PRMX 65 is suitable for use as coloured surface markings applied on main roads and side streets in urban areas and elsewhere (including plazas, cycle tracks, footpaths, pavements and byways).

#### Pack Size

(Example product ratio and pack size)

15.00kg MMAXGRIP™ PRMX 65

0.20kg MMAXGRIP™ PRMX Catalyst\*

(2 x 0.1kg)

15.20kg

\*Catalyst sold separately.

#### Colours

MMAXGRIP™ PRMX 65 is available in the following standard colours:

RAL 6018 Yellow Green

RAL 6024 Traffic Green

RAL 5015 Sky Blue

RAL 5017 Traffic Blue

RAL 3020 Traffic Red

White

Other RAL colours available on request.

An unpigmented version of MMAXGRIP™ PRMX 65 is also available.

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### Storage

Store products sealed in their original airtight container and in a cool, dry and frost-free place. The unopened products have a shelf life of at least 6 months after delivery. Direct sunlight on the containers should be avoided, including on site. After removing some of the content, reseal the containers so they are airtight.

### Application Conditions

#### Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range in °C		
	Air	Substrate*	Material
MMAXGRIP™ PRMX 65	-10 to +35	-5 to +40*	+3 to +30

\*The substrate temperature must be at least 3°C above the dew point during application and curing.

#### Humidity and Moisture

The relative humidity must be ≤ 90%.

The surface to be coated must be dry and ice-free.

The Surface must be protected from moisture until the coating has hardened.

### Reaction Times and Required amounts of Catalyst

	MMAXGRIP™ PRMX 65
Pot life	Approx. 12 min
Rain-proof	Approx. 30 min
Walkable/overlayable	Approx. 45 min
Fully cured	Approx. 2 hours

Higher temperatures or greater proportions of catalyst will shorten reaction times, while lower temperatures and smaller proportions of catalyst will extend reaction times.

The following table indicates the recommended amount of catalyst required to adjust the curing reaction to the temperature.

Product	Substrate temperature in °C; required amounts of catalyst in % w/w (guide)								
	-5	+3	+5	+10	+15	+20	+25	+30	+35
MMAXGRIP™ PRMX 45	3%	3%	2%	2%	1.5%	1.5%	1.5%	1%	1%

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### Consumption Rates

Substrate	Consumption
Asphalt, fine	Approx. 2.8 – 3.0kg
Asphalt, coarse	Approx. 3.0 – 3.5kg

### Technical Data

Density	Approx. 1.82 g/mc <sup>3</sup>
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### Product Application

#### Substrate preparation

The substrate must be suitably prepared so that it is sound, dry and free from loose or adhesion-reducing components.

#### Concrete

MMAXGRIP™ PRMX Primer is used as a primer on absorbent substrates, e.g. concrete. For further information, please refer to the technical information sheet.

#### Asphalt

We advise against applying the product to fresh asphalt < 90d. No primer is required if the product is applied to older asphalt > 90d.

#### Mixing

First stir the tub contents thoroughly.

The add the catalyst while stirring at the slow-speed setting and mix for at least 2 minutes. Make sure that the product on the base and sides of the container is incorporated. Ideally MMAXGRIP™ PRMX 65 should be repotted once then stirred thoroughly again. At product temperatures <10 °C the product should be stirred for at least 4 minutes, as the catalyst will take longer to dissolve.

#### Application

Spread the mixed material evenly using the smoothing trowel, aluminium blade or rubber squeegee and lay off to particle size thickness.

For an even surface with a good grip (SRT > 65) the area must be finished with a textured roller immediately after application.

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### Cleaning

When work is interrupted or completed clean the tools thoroughly with a cleaning agent within the pot life of the material (approx.. 10 minutes). This can be done with a brush. Do not use the tools again until the cleaning agent have evaporated fully.

Simply immersing the tools in the cleaning agent will not prevent the material from hardening.

### Information on Safety and Risks

Please refer to the safety data sheets for the products used.

### General Information

The above information, especially information about application of the products, is based on extensive development work as well as many years of experience and is provided to be the best of our knowledge. However, the wide variety of requirements and conditions on site mean that is necessary for the product to be tested to ensure that is it suitable for the intended purposes. Only the most recent version of the document is valid. We reserve the right to make changes to reflect advances in technology or improvements to our products.

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