# PRODUCT DATA SHEET

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CE

## UNIBAR G

COMPLIANT WITH EU NORM
UNI EN 13813
SR RWA10-IR4-B2,0
SCREEDS BASED ON SYNTHETIC RESYN

### DESCRIPTION OF THE PRODUCT

Two-component, waterproof, coloured epoxy finish developed by WINKLER Research & Development Laboratories.
The inert components in the product create a textured surface, making it suitable for all situations where good non-slip performance is required.
The product also exhibits excellent water resistance and good resistance to common solvents and oils.
**UNIBAR G** demonstrates very good mechanical wear resistance. Being solvent-free, it also has a very low environmental impact.

### FIELDS OF USE

Coating for pavements subject to standard medium-light traffic, such as pedestrian areas, garages, warehouses, and forklift truck zones.

### SURFACE PREPARATION

Thoroughly clean the substrate to remove dust, oils, greases, and other contaminants.
The concrete flooring must have a tensile strength (pull-off) of at least 1.5 MPa.
After reviewing the technical data sheet, treat the substrate with **UNIBAR FORMULA**. Once the substrate is stable and no longer tacky, apply **UNIBAR G**.

### RECOMMENDATIONS

Do not dilute with any type of solvents.

### WARNINGS

Apply the product at temperatures between +10°C and +30°C with relative humidity below 70%. The substrate surface temperature must be at least +3°C above the dew point.
A substrate temperature below +10°C significantly slows down curing. Therefore, do not apply the product below this temperature.
Avoid leaving the two components (A and B) in the sun or in places where they may overheat (vans, trucks, etc.), as this drastically reduces the working time. Do not use the product beyond its pot life.


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## APPLICATION

**UNIBAR G**, like all two-component products, requires the correct sequence of component addition. The two pre-measured components must be thoroughly and evenly mixed before application.
Mix Component A thoroughly to homogenize any sediments. Pour all of Component B into Component A and mix slowly, even by hand, until a uniform, homogeneous liquid is obtained.
Apply the product using a brush and roller. Each subsequent coat can be applied once the previous layer has become stable and tack-free (approximately 12-16 hours).

## CONSUMPTION

The level of protection varies depending on the applied thickness and the condition of the substrate surface.
Smooth surfaces: approximately 200-300 g/m$^2$, applied in one or two coats
Rough or deteriorated surfaces: it is recommended to apply 300-400 g/m$^2$ in two coats

## PACKAGING

Component A: 4.5 kg
Component B: 1.5 kg

## STORAGE

The product in its original and undamaged packaging, can be stored for up to 12 months. Store at temperatures between +5°C and 35 °C. The product is not frost-resistant.

## SAFETY INSTRUCTIONS

## PRECAUTIONS

For safety information, the user must refer to the latest Safety Data Sheet (SDS), prepared in accordance with applicable regulations. The SDS contains detailed information on the physical, toxicological, and safety characteristics of the product.

winkler® Advanced Building Material

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**DISPOSAL AND ENVIRONMENTAL PRECAUTIONS**

Do not release the product or empty containers into the environment. For detailed disposal instructions, refer to the most recent Safety Data Sheet (SDS).

**TECHNICAL FEATURES**
**(average value)**

| FEATURES | COMPONENT A | COMPONENT B |
|---|---|---|
| Appearance | Liquid | Liquid |
| Colour | Red - Grey | Clear |
| Density | 1.25 g/cm$^3$ | 0.97 g/cm$^3$ |
| Solid content | 100% | 100% |

**UNIBAR G - APPLICATION DATA**

| FEATURES | RESULTS |
|---|---|
| Premixed A+B Components Mixing Ratio (A+B) | 4.5 kg + 1.5 kg |
| Aspect after mixing | Thixotropic fluid |
| Density | 1.15 g/cm$^3$ |
| Colour | Grey - Red |
| Application temperature range | +5°C to +30°C |
| Pot life | 120 min (+10°C)<br>90 min (+20°C)<br>60 min (+30°C) |
| Hardening time | 8 h (+30°C) to 12 h (+20°C) |
| Full hardness | 7 days |



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## PERFORMANCE DATA OF HARDENED PRODUCT ACCORDING TO UNI EN 13813

| FEATURES | STANDARD | RESULTS |
|---|---|---|
| Wear resistance (rotating load method) | UNI EN 13892-5 | ≤ 10cm$^3$ |
| Impact resistance | UNI EN ISO 6275 | ≥ 20 N.m |
| Adhesion strength | UNI EN 13892-8 | ≥ 4,0 N/mm$^2$ |
| Reaction to fire | UNI EN 13501-1 | $F_{fl}$ |



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