

EUCOMARK PU

POLYURETHANE AND SOLVENT BASED MARKING PAINT

FIELD OF APPLICATION

EUCOMARK PU is a 2-component, glossy marking paint based on polyurethane and solvent. This marking paint is suitable for applying lines and markings on horizontal surfaces consisting of concrete, polyaspartic, epoxy, rigid polyurethane, wood and metal. Particularly suitable for car parks, garages, warehouses, industrial halls, workshops, ...

- Indoor and outdoor applications.
- Marking and lines.
- Horizontal applications.
- Recommended for marking, lines, signing on the floors of car parks, garages, warehouses, workshops, roads, industrial halls, sports and playgrounds, public buildings, shopping malls, ...
- Absorbent concrete floors and surfaces consisting of polyaspartic, epoxy, rigid polyurethane, wood and metal.

BENEFITS & FEATURES

- Smooth and glossy marking paint.
- Very good UV stability.
- Indoor and outdoor applications.
- Excellent adhesion - also on metal and wood.
- Very good mechanical resistance.
- Very good abrasion resistance.
- Very good chemical resistance.
- Good resistance to various influences and loads in road surface applications.

APPLICATION

Application conditions

EUCOMARK PU must be stored between +15°C and +25°C approximately 24 hours before application. The substrate, the ambient temperature and the temperature of the equipment to be used must be between +10°C and +30°C.

Relative ambient humidity: max 80%.

Moisture content in the substrate: <4% (weight percent).

Dew point before and during application and during curing: Temperature of the substrate must be +3°C higher than the dew point. Provide adequate ventilation after application to ensure proper curing of the product.

Tools & complementary products

- Paint roller, brush or airless spray equipment, suitable for the use of synthetic resins.
- Mixer (max. 300 rpm) with spindle.
- Paint buckets or paint tray.
- Masking tape.
- Protective plastic film.
- EUCOSOLV MEK

Preparations

Clean the surface of oil, shuttering oil, cement skin, stains and other impurities that can adversely affect adhesion. Repair the surface if required,

according to applicable standards..

When applying EUCOMARK PU on existing old coatings, always sand the surface sufficiently, make it dust-free and degrease.

Existing screeds and concrete surfaces must be at least 28 days old.

Sand the surface, shot-blast or treat with a diamond disc. Then make the surface perfectly dust-free again.

Blast metal surfaces (SA 2,5) and degrease with EUCOSOLV MEK. After evaporation of the EUCOSOLV MEK, immediately apply a suitable metal primer. This to prevent re-oxidation.

Always use clean equipment and clean mixing receptacles. Use masking tape or templates for a better result.

Preparation of the product

Mix EUCOMARK PU mechanically for 2 minutes with a mixer and spindle. Then add the B-component to the A-component and mix again for at least 2 minutes until a homogeneous mixture is obtained. The mixing operations are carried out with a mixer at low speed (max. 300 rpm) In order not to include air in the resin. This avoids the formation of air bubbles in the mixture and in the coating.

If desired, EUCOMARK PU can be diluted with EUCOSOLV MEK. 2 % - e.g. when applied with spray equipment). Mix again. After mixing, the product is ready for use.

Application of the product

The product can now be applied to the surface to be treated with a paint roller (12 mm recommended), brush or with suitable airless spray equipment.

Apply a second layer between 12 hours and 2 days (at 20°C). Always allow for sufficient drying time between the layers. (Depending on the ambient temperature). Always work crosswise.

The masking tape or template must be removed before curing the EUCOMARK PU.

Finishing

Does not apply

Cleaning of the tools

Clean the used tools with EUCOSOLV MEK before the curing of EUCOMARK PU. Cured product residues must be mechanically removed.

MAINTENANCE AFTER APPLICATION

For more information, please contact EUCCHEM BV.

TECHNICAL DATA

Consumption

200-250 gr/m²/layer - depends on the roughness and porosity of the substrate.

Technical data & reaction times

Property	Value
Basic raw materials	Polyurethane resins dissolved in solvent.
Density	Component A: 1,42 (+/- 0,05) Component B : 1,13 Mixture A+B: 1,39 (+/- 0,05)
Solid content	76% (+/- 2) in weight 65% (+/- 2) in volume
Composition	2-components

Flash point	> 31°C
Bond strength	> 2 mPa
Abrasion resistance (Taber / CS-10 / 1 kg - 1000 rpm)	50mg
Application temperature	+10°C to +30°C
Mixing ratio	A/B : 10/1 (In weight) A/B : 8/1 (In volume)
VOC / COV:	Accord. to 2004/42/CE Limit imposed by the EC for this type of product: 500g/l of COV (2010). The mixed product contains: 339g/l COV.
Appearance	Aspect: GLOSS Colour BLACK / WHITE / RAL 1023 - 3020 - 5012 - 6024 or RAL ON REQUEST

Processing time after mixing:

Approx. 2.5 hours (at 15°C)

Approx. 2 hours (at 20°C)

Approx. 1.5 hours (at 30°C)

Re coating time: applying a second layer.

Between 12 hours and 2 days after applying the first layer (at 20°C).

Trafficable

Approx. 18 hours (at 20°C)

Light traffic:

Approx. 36 hours (at 20°C)

Full mechanical load After 7 days (at 20 °C)

Full chemical resistance After 7 days (At 20°C - Note: water is also a chemical)

Full cure: After 7 days (At 20°C)

* other ambient temperatures as well as relative humidity influence the above data.

Chemical resistances

Good chemical resistance When used in contact with chemical products, it is advisable to consult your EUCOCHEM BV representative.

Additional documentation & referrals

Always consult all technical data sheets of the products to be used. Always work with clean tools in good condition.

APPEARANCE - COMPOSITION - PACKAGING

EUCOMARK PU is available as follows:

Set 5.5 kg

Comp. A = Pot of 5 kg

Comp. B = Pot of 0,5 kg

Set 11 kg

Comp. A = Pot of 10 kg

Comp. B = Pot of 1 kg

EUCOMARK PU can be stored in the original, unopened packaging and in a dry space. Do not store in direct sunlight and between +10°C and +30°C. Shelf life 12 months after production date, if kept under the above mentioned conditions.

ADDITIONAL COMMENTS

For special applications it is advisable to consult your EUCOCHEM BV representative.

SAFETY PRECAUTIONS

Always use personal protection in accordance with the local guidelines. Consult the appropriate safety sheets before use. All most recent safety data sheets are always available at www.eucochem.com. When in doubt, contact our technical service.

All information in this technical data sheet is provided in good faith and without any guarantees. The choice of a product for any application by the buyer or applicator, the processing of the products, the preparations, the finishing, the use of the right equipment to apply the products and all this in the broadest sense, are entirely beyond our control and are therefore entirely the responsibility of the buyer or applicator. Therefore, EUCOCHEM bv cannot be held responsible on the basis of what is mentioned above. Should EUCOCHEM bv nevertheless be held responsible for damage incurred, the claim will always be limited to the value of the necessary EUCOCHEM bv products to be delivered in order to carry out a minimal repair. EUCOCHEM bv strives to deliver products of consistent, good quality. All values on the technical data sheet are average values and are the result of tests performed under laboratory conditions. Values that are measured in jobsite conditions and the like may deviate from the stated values. This is because the environmental conditions, the application and the manner of processing our products are also outside our control. Please note that you should not add any products other than those indicated in our technical documentation. Only use EUCOCHEM bv products for a system under construction. If you combine products from different suppliers or brands, the warranty expires irrevocably. When applying the EUCOCHEM bv products it is necessary to draw up a construction site log and to fill it in on a regular basis. EUCOCHEM bv can consult the construction site log at any time and / or request a copy to check whether the products and systems have been correctly installed or installed in accordance with the regulations set by EUCOCHEM bv. We also refer to our general terms and conditions in case of dispute. This version of the technical data sheet replaces all previous versions. Version 1.0 Date: 14 October 2021 11:07 am