



**icopark**<sup>®</sup>  
system

**Waterproofing System**

for vehicle  
traffic





# Products of the **ICOPARK SYSTEM**



## **ICOPARK PRIMER**

Two-component, solvent-based, epoxy primer for concrete substrates to be applied before ICOPARK MEMBRANE.



## **ICOPARK MEMBRANE**

Two-component, solvent-based, waterproof PU flooring suitable for vehicle and heavy pedestrian traffic.



## **ICOPARK TOPCOAT**

Two-component, solvent-based, UV-resistant, aliphatic-PU coating to be applied on top of ICOPARK MEMBRANE.

### **Benefits**



**Waterproofing**



**Suitable for vehicles**



**UV Resistant**



**Nonskid**



**Elastic**



**Lightweight**

# Icopark System



Durable, nonskid, solid, UV-resistant waterproofing system suitable for vehicle and heavy pedestrian traffic.

ICOPARK consists of three separate products: PRIMER, MEMBRANE and TOPCOAT.

## Uses

ICOPARK is suitable for areas destined to either light or heavy vehicle traffic, depending on the application process. The system is quickly applied and results in a high bonding, UV-resistant, trafficable waterproofing protective layer. It is also slip resistant and aesthetically pleasing. Recommended for:

- ✔ **Garages**
- ✔ **Warehouses**
- ✔ **Parking lots**
- ✔ **Stadiums and Sports arenas**
- ✔ **Retail stores**
- ✔ **Loading bays**
- ✔ **Factories**
- ✔ **Residential or commercial roofs**
- ✔ **Cold storage rooms**
- ✔ **Showrooms**
- ✔ **Surfaces exposed to heavy pedestrian traffic**



WATERPROOFING SYSTEM FOR VEHICLE  
AND HEAVY PEDESTRIAN TRAFFIC



## Surface preparation

Clean thoroughly and remove dust, loose material or non-adhering particles, grease, oil, efflorescence and anything that may affect proper adhesion.

Scrape off previous coatings, mortars or contaminants that may act as bond breakers.

Ensure that no risk of rising damp exists in order to prevent possible delamination of the waterproofing layer. Substrate must be fully cured (minimum 28 days) and completely dry.

Smooth out and level the surface with specific premixed mortars. Seal static cracks with a cement product depending on the intended use.

Seal dynamic cracks with the ICOJOINT EP/GL or ICOJOINT MS sealants.

The same should be used to seal expansion joints and detailing, such as corners and floor-wall transitions. It is recommended to treat the target area with ICOPARK PRIMER prior to applying the sealant.



## Application instructions

ICOPARK is designed to meet the traffic requirements arising from different application fields by simply adjusting the number of coats, the coverage and the use of quartz sand, as described below.

The waterproofing layer may be designed for light (2 mm thickness) or heavy vehicle traffic (between 3 and 3.5 mm). ICOPARK can also be specifically used in areas subject to heavy pedestrian traffic.



## Heavy pedestrian traffic

Once the surface has been duly prepared, proceed as follows:

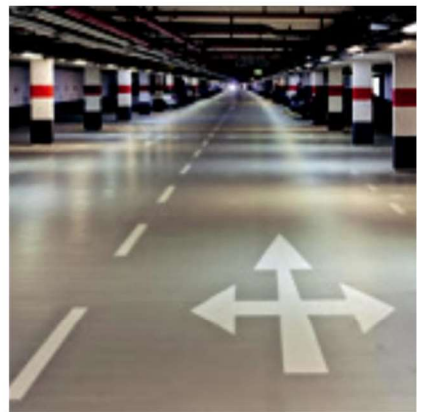
- Apply ICOPARK PRIMER at an average rate of 200-250 gr/sqm.
- Once the primer has dried, apply ICOPARK MEMBRANE at an average rate of 1.2 kg/sqm using a short nap roller or a 4-mm (3/16") notched trowel.
- After 12/24 h apply ICOPARK TOPCOAT ANTISKID in two coats observing the correct drying time. Overall spread rate: 300 gr/sqm. The ANTISKID nonslip version of ICOPARK TOPCOAT is only available on demand.



## Light vehicle traffic

Once the surface has been duly prepared, proceed as follows:

- Apply ICOPARK PRIMER at an average rate of 200-250 gr/sqm.
- Once the primer has dried, apply ICOPARK MEMBRANE at an average rate of 1.2 kg/sqm using a short nap roller or a 4-mm (3/16") notched trowel.
- After 12/24 h (depending on weather conditions), apply a second coat of ICOPARK MEMBRANE by short nap roller at a rate of 0.5 kg/sqm. While still fresh, sprinkle with ICOFILL quartz sand until saturation (average rate 1.5 kg/sqm).
- Remove excess sand after 12/24 h and apply ICOPER TOPCOAT in two coats observing the correct drying time. Overall spread rate: 300 gr/sqm.



## Heavy vehicle traffic

Areas that are subject to higher mechanical loads, such as ramps and loading bays, must be treated accordingly. Once the surface has been duly prepared, proceed as follows:

- Apply ICOPARK PRIMER at an average rate of 200-250 gr/sqm.
- Once the primer has dried, apply ICOPARK MEMBRANE at an average rate of 1.2 kg/sqm using a short nap roller or a 4-mm (3/16") notched trowel.
- After 12/24 h (depending on weather conditions), apply a second coat of ICOPARK MEMBRANE by short nap roller at a rate of 0.7 kg/sqm. While still fresh, sprinkle with ICOFILL quartz sand until saturation (average rate 1.5 kg/sqm).
- After 12/24 h, remove excess sand and apply a further coat of ICOPARK MEMBRANE by short nap roller, again at a rate of 0.7 kg/sqm. Also in this case, sprinkle while fresh with ICOFILL quartz sand until saturation (average rate 1.5 kg/sqm).
- Once dry, remove excess sand and apply ICOPER TOPCOAT in two coats observing the correct drying time. Overall spread rate: 300 gr/sqm.



## Specifications

TECHNICAL FEATURES * (Comp.A + Comp.B)	ICOPARK PRIMER	ICOPARK MEMBRANE	ICOPARK TOPCOAT
Type of product	two component	two component	two component
Binding matrix	epoxy	polyurethane	polyurethane
Density - UNI EN ISO 2811-1	0.94 ± 0.05 kg/lt	1.44 ± 0.05 kg/lt	1.24 ± 0.05 kg/lt
Solid content (weight) - UNI EN ISO 3251	50%	100%	67.50%
Viscosity - UNI EN ISO 3219	29 cPs (R1 rpm 100)	3000 cPs (R5 rpm 100)	140 cPs (R2 rpm 100)
Pot life - UNI EN ISO 9514	8 h	30 min	2 h
Recoat time at 23 °C (± 3°C) - UNI EN ISO 9117-3	min 8 h – max 24 h	min 12 h – max 24 h	min 8h – max 24 h
Full curing		5 – 7 dd	5 – 7 dd
Spread rate per coat	0.150 – 0.300 kg/sqm	Depending on chosen application process	0.150 kg/m <sup>2</sup>
Number of coats	1	Depending on chosen application process	2
<b>PERFORMANCE</b>			
Hardness Shore D - UNI EN ISO 868	-	60	-
Bond strength - UNI 8298-1		PRIMER+MEMBRANE = 2.19 MPa	-
Tensile elongation after 15 days at 23°C	-	30%	-
Tensile strength after 15 days at 23°C	-	11.5 Mpa	-
Shelf life	6 months	6 months	12 months

## Tools



**NOTCHED TROWEL**



**ROLLER**



**SPRAY GUN**

ICOPARK TOPCOAT only

The information contained herein is based on the present state of our knowledge and is provided for indicative purposes only. For further guidance, our technical documents can be viewed at [www.icobit.com](http://www.icobit.com)  
\* The standards indicated in the above table are meant to allow test reproducibility as well as to show the measuring methods adopted.



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