

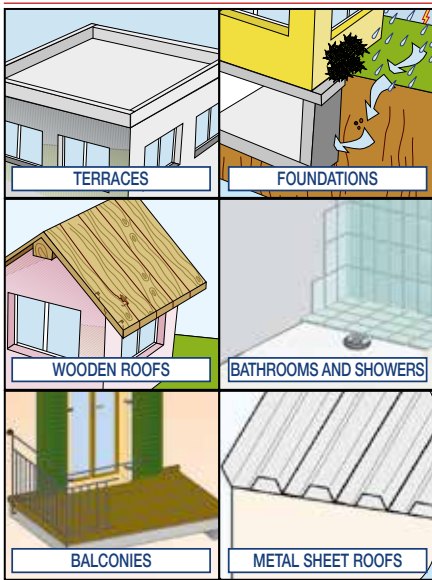
# DECOROOF

FOOT-TRAFFIC RESISTANT, DECORATIVE, WATERPROOFING PRODUCT.  
ONE-COMPONENT POLYURETHANE MULTIFUNCTIONAL DECORATIVE  
READY-TO-USE PASTE, RAINPROOF STRAIGHT AWAY, FOR WATERPROOFING  
BALCONIES AND ROOFS IN A SINGLE COAT

CHARACTERISTICS			ENVIRONMENTAL	METHOD OF USE				PRECAUTIONS
ONE-COMPONENT	SOLVENT BASED	WATERPROOF		SPRAY APPLICATION	APPLY BY BRUSH	APPLY BY ROLLER	APPLY BY INOX SPATULA	

## PROBLEM

### TO WATERPROOF:



## SOLUTION

**DECOROOF** is a one-component flexible liquid polyurethane membrane. The material hardens with air humidity and creates a strong flexible membrane with excellent adhesion to the various substrates. The finished film offers excellent mechanical and chemical properties. **DECOROOF** has good workability and can be applied on vertical surfaces without dripping in just one single coat of 1-mm thickness at maximum. **DECOROOF** offers excellent resistance to UV rays and can be left visible without deterioration. It is suitable for light foot traffic. To obtain a surface suitable for intense foot traffic, it is recommended to wait 8 – 24 hours max., then apply two coats of two-component polyurethane paint **PURPAINT AB** which can further be added with a non-slip additive. Tiles can be laid on **DECOROOF** using adhesives in classes C2S1, C2S2 according to EN 12004:2007+A1:2012.

## APPLICATION FIELDS

It is used for: balconies and terraces; foundation walls; roofs; metal sheet and fibre cement roofs; bathrooms and kitchen; plasterboard and cement panels;

wooden surfaces; polyurethane foams; covering of old membranes after applying a coat of primer.



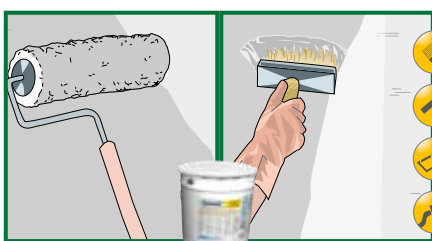
## ADVANTAGES

- Easy to apply on complex profiles.
- Excellent bond to any type of surface, with or without adhesion promoters.
- Rainproof straight away.
- No need to dilute it, even though it can be diluted, if necessary, using a thinner for polyurethane products.
- Excellent thermal resistance without turning soft. Maximum service temperature 80°C and maximum shock temperature 200°C.
- Resistance to low temperatures: the membrane remains flexible even at -35°C.
- Excellent mechanical properties, high tensile, tear, elongation and abrasion strength.
- Excellent resistance to chemical agents.
- Good Solar Reflectance Index.

## METHOD OF USE

### • SURFACE PREPARATION

It generally ensures a good bond to cement and other normal substrates even without the use of adhesion promoters. Substrates with humidity >5% and dusty and loose/brittle substrates must be consolidated in advance using **POLIDUR PRIMER**. The conditions of a standard cement substrate must be the following: hardness RC = 15 MPa, humidity <5%. If using over old tiled surfaces or in underground locations, first apply one coat of **EPOSTOP ABC** to stop the residual humidity that is often present under the tiles or that could rise up from the ground. The substrates must be clean, removing traces of oil, grease and dirt in general. Remove the cement salts from the surface, any loose/brittle parts, chemical agents and



cement evaporation retarding membranes. Fill any cracks or holes in the substrate with a suitable mortar.

### • APPLICATION

**DECOROOF** is ready-to-use. Apply one or two coats using a roller or paint brush. When applying with an airless gun, dilute the product with a small amount of thinner **DILUENTE PUR - Index**, to make the job easier. For porous or very absorbent surfaces apply the first coat diluted. **Perimeter corners, joints and details.** For waterproofing perimeter corners, joints or details use the polyurethane sealant **SUPERFLEX PUR** or, where possible, the joint-covering adhesive band **COVERBAND ADHESIVE**.

Type of membrane finish	Cleaning	Surface torching	Applying a primer coat
Slate	New	✓	-
	Old	✓	-
Sand	New	✓	-
	Old	✓	✓
Flamina glossy film	New	-	✓
	Old	-	✓
Texflamina	New	-	-
	Old	-	✓
Talc	New	✓	✓
	Old	✓	✓

\* PURLASTIC FLASHING diluted 10% with thinner **DILUENTE PUR - Index**.

### • COVERAGE

The coverage is 1-1.5 kg/m<sup>2</sup> for floors and about 0.6-0.7 kg/m<sup>2</sup> for walls.

### • PRECAUTIONS

- It contains a small quantity of volatile and flammable solvents; apply in well-ventilated areas and not in the presence of naked flames.
- For application on membranes, verify the surface finish and follow the instructions in the table.
- Treat the dry surface of **DECOROOF** with a coat of **PRIMER FIX** to remove sticky areas, especially during summer time.

- Clean the tools and equipment first with a sheet of paper and then with solvent. Rollers, however, cannot be used again.
- Do not use in contact with water containing chlorine.

# TECHNICAL CHARACTERISTICS

	Standard	DECOROOF	
Appearance		Pasta	
Colour		White	Grey
Density	EN 2811-1	1.40 ± 0.10 kg/L	
Brookfield viscosity - at 25°C	ISO 2431	>7 000 cP	
Shore Hardness	ASTM D2240	65	
Flash point		>50°C	
Shelf life in original packaging in a dry place		12 months	
<b>Workability</b>			
Max. application thickness		1 mm	
Waiting time - touch dry (*)		2 ÷ 4 hours	
Waiting time - before foot traffic use (*)		12 hours	
Waiting time - complete drying (*)		7 days	
Waiting time - for application of ceramic or paints (*)		8 ÷ 24 hours	
Application temperature		+5°C ÷ +35°C	
Application		manual or spray	

Performance characteristics	Standard	Product performance
<b>Class and type</b>	EN 1504-2	<b>C PI-MC-IR</b>
Initial tensile bond strength - after 28 days - to concrete	EN 14891 A.6.2	≥1.5 N/mm <sup>2</sup>
Initial tensile bond strength - to ceramic surface		≥1.5 N/mm <sup>2</sup>
Initial tensile bond strength - to wood		≥2.0 N/mm <sup>2</sup>
Initial tensile bond strength - to steel		≥2.0 N/mm <sup>2</sup>
Cold flexibility	UNI 1109	-35°C
Permeability to aqueous vapour	EN 7783-1	5 m ≤ Sd ≤ 50 m - classe II
Adherence test	EN 1542	≥0.5 MPa
Capillary water absorption	EN 1062-3	w < 0.01 kg/m <sup>2</sup> ·h <sup>0.5</sup>
Permeability to CO <sub>2</sub>	EN 1062-6	Sd >50 m
Watertightness	EN 14891	>250 KPa - waterproof
Crack-bridging		>10 mm
Ultimate elongation	NFT 46002	>850%
Ultimate tensile strength	NFT 46002	5.0 ± 0.1 MPa
QUV Accelerated Weathering Test	ASTM G53	Test passed 1 000 hours
Chemical resistance: Sodium hypochlorite 5%		No effect
Hydrolysis resistance: Potassium hydroxide 8%		No effect
Thermal stability (100 days @ 80°C)	EOTA TR011	Test passed
Max. instantaneous temperature (shock)		200°C
Solar reflectance	ASTM C-1549	0.80 (**)
Emissivity in the infrared	ASTM C-1371	0.89 (**)
SRI (Solar Reflectance Index)		≥100 (**)
Thermal resistance - Operating temperature		-40°C ÷ +80°C
<b>Hazardous substances</b>	EN 1504-2	in accordance to ZA.1 note

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s.  
**These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorbency.**  
 (\*) The times indicated will be longer or shorter as the temperature drops or rises.  
 (\*\*) Rapporto di prova Dipartimento di Ingegneria Meccanica e Civile - Università di Modena e Reggio Emilia. The value is referred to white colour and it can decrease after to U.V radiations exposure.  
 Pursuant to European standard EN 1504-9 - General principles for the use of products and systems.



The numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

## PACKAGING

15-kg Pail  
6-kg Can

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

<p>Construction Systems and Products</p> <p>Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 T. +39 045 8546201 - F. +39 045 518390</p>	<p>Internet: <a href="http://www.index-spa.com">www.index-spa.com</a></p> <p>Informazioni Tecniche Commerciali <a href="mailto:tecom@indexspa.it">tecom@indexspa.it</a></p> <p>Amministrazione e Segreteria <a href="mailto:index@indexspa.it">index@indexspa.it</a></p> <p>Index Export Dept. <a href="mailto:index.export@indexspa.it">index.export@indexspa.it</a></p>		<p>TOTAL QUALITY</p> <p>UNI EN ISO 9001</p>	<p>Environmental Management Systems</p> <p>UNI EN ISO 14001</p>		
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