

FPCS 94

**SELF-EXTINGUISHING
POLYUREA SYSTEM
100% VOC FREE**

Elastomers

PRODUCT

EPAPROOF FPCS 94 : Self-extinguishing polyurea based elastomer system, UNI 9174 and UNI 9176 Class 1 and classified UL94V0

**PRODUCT
DESCRIPTION**

EPAPROOF FPCS 94 is a two-component system, based on aromatic isocyanides and special flexible amines for protecting metals and cement surfaces as well as wood and EPS. It has self-extinguishing characteristics.

FIELDS OF APPLICATION

Elastomeric membrane for

- Protecting metallic surfaces with anti-corrosive functions
- Bodywork and truck beds
- Industrial floors and protecting cement items
- Waterproofing
- Finishing and protecting wood and EPS items for sculptures and set designs

**PRODUCT
FEATURES**

EPAPROOF FPCS 94 is an elastomer whose two components react to create a hard coating, without losses of weight or secondary reaction products. This membrane has a variable gel time that, in any case, is still much faster than other products commonly available on the market. For this reason, specific equipment is needed for its application. It can also be applied at very low temperatures and, however, environmental conditions do not modify its performances and final characteristics.

**COLOUR
PACKAGING**

RAL table and colours on request

Metal drums of 42 kg and 415 kg

PROPERTIES

Specific weight (A+B)
Viscosity (A+B)
Mix Ratio
Gel time
Stability at 65°C
Elongation at break
Tensile strength
Tear strength
Abrasion
Hardness

VALUE		UNIT	STANDARD
MIN	MAX		
1.2	1.3	Kg/l	ASTM D 0891
100	110	mPa.s	Brookfield
1:1		vol	
7		sec	ASTM D 638
60	90	days	
260 - 280		%	UNI EN ISO 527
7 - 8		MPa	UNI EN ISO 527
24 - 28		kN/mm	UNI EN ISO 527
100 - 115		mg	EPA
32 - 34		Shore D	EPA

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1. Preparation of the surfaces: the metallic surfaces must be sanded to remove every presence of rust and impurities.

It is recommended to treat cement surfaces mechanically and to apply an adhesion and impregnating promoter. Depending on the situations, a primer from the EPAFLEX, EPAPOX and EPACRETE product range is recommended. The support must be clean and not contain any crumbly or loose parts.

2. Preparation of the product: The high pressure equipment must always be in perfect condition, clean and efficient. Make sure the return pumps are clean and efficient and before starting to spray, circulate the product in the system. In any case, carefully follow the manufacturer's instructions.

3. Application: Once the support has been prepared and the product recirculated and heated, start spraying **EPAPROOF FPCS 94** according to the manufacturer's instructions. In order to obtain the physical-mechanical characteristics reported in the above table in the spraying phase must be complied with a range of thickness between 1.8 to 2.5 mm.

The product must be stored in a cool place away from direct sunlight, and at a temperature between 5°C and 35°C. Shelf-life of 12 months

Avoid contact with the skin and mucous membranes. Use suitable protections, in particular, mask and gloves. Avoid inhaling the product and, if possible, ventilate the work areas.

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ISSUED BY ANTONIO GARZIA
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APPLICATION

STORAGE

SAFETY

EPAFLEX 
POLYURETHANES

Epaflex Polyurethanes srl
Via Circonvallazione Est. 8
27023 Cassolnovo (PV), Italia
T: +39 0381 92 95 21
F: +39 0381 92 95 23
E-mail: case@epaflex.it
www.epaflex.it