

# Urespray F-75 and F-100 P-500 and P-700



## DESCRIPTION

Source: ATEPA

Urespray is a polyurethane elastomer, made by the reaction of two liquid components (polyol and isocyanate) at room temperature.

They are mixed on-site with conventional polyurethane foam-spraying equipment.



## BENEFITS

- ✓ No joints or coupling is this leak-proofing system's main feature, with a uniform finish that makes for an easy-to-maintain surface.
- ✓ Polyurea's versatility means that it can adapt to any surface or format, making it an ideal product to be applied to irregular areas with shapes of any kind, either curved or squared.
- ✓ Pure polyurea adheres to any surface: cement, concrete, polyurethane, wood, metal, etc.
- ✓ This product is extremely hard and wear-resistant.
- ✓ Polyurea's fast reaction provides great stability right after installation: it can bear traffic and guarantees leak-proofing properties in under 3 hours, although it reaches optimum conditions in 24 hours.
- ✓ Once applied, it is characterised by its great durability. It is inert with temperature changes and maintains its properties, without suffering breakage or deformation. It is not affected by fuels, fertilisers or animal excrement, either.

***For further information, please request the Technical File and the DOP***

## APPLICATIONS

Urespray F series' main applications are in the construction and industrial fields, essentially to cover materials for thermal insulation, mainly rigid polyurethane foam.

Urespray P series' main applications are in the construction and industrial fields, essentially to leak-proof and protect roofs, rooftops, balconies, parking garages, concrete structures, water tanks, sea industry, foundations, theme parks, etc., as well as for elastomer covering of expanded polystyrene and polyurethane foams.

Spray application means that irregular surfaces, or areas with complicated geometries can be covered, forming a uniform film.

#### 4.7 Leak-proofing roofs, balconies, parking garages and other surfaces

This construction solution is based on a pure polyurea-based elastomer system, thanks to the reaction of two fast-drying liquid components applied by mechanical spray. Once applied, it creates a seamless, highly-resistant leak-proof covering.

There are numerous benefits provided by the polyurea leak-proofing membrane, which can be viewed in the **International Synthesia Catalogue of Applications**.



Source: ATEPA

### PRESTATIONS

Characteristic	F-75	F-100	P-500	P-700
<b>Average applied density</b>	1.100 kg/m <sup>3</sup>	1.000 kg/m <sup>3</sup>	1.000 kg/m <sup>3</sup>	1.000 kg/m <sup>3</sup>
<b>Traction resistance</b>	12 N/mm <sup>2</sup>	19 N/mm <sup>2</sup>	23 N/mm <sup>2</sup>	83 N/mm <sup>2</sup>
<b>Elongation</b>	200%	425%	450%	720%
<b>Tear resistance</b>	35 N/mm	90 N/mm	95 N/mm	41 N/mm
<b>Hardness</b>	85 ShA	95 ShA	95 ShA	72 ShA

### URESPRAY F APPLICATIONS

	F-75	F-100
<b>Façades</b>	✓	✓
<b>Roofs</b>	✓	✓
<b>Walls</b>	✓	✓
<b>Ceilings</b>	✓	✓
<b>Floors</b>	✓	✓

### URESPRAY P APPLICATIONS

	P-500	P-700
<b>Façades</b>	✓	✓
<b>Roofs</b>	✓	✓
<b>Walls</b>	✓	✓
<b>Ceilings</b>	✓	✓
<b>Floors</b>	✓	✓