

UREASPRAY FR is a high quality, 100% pure hot spray polyurea elastomer with excellent mechanical and fire-retardant properties.

## APPLICATION

- Waterproofing membrane for roofs, parking decks, bunds, terraces, bridge decks, tunnels, ...
- Fire retardant anti-corrosion protection for steel.
- Waterproofing and fire retardant protection membrane for roofs (concrete, PU foam and PIR).

## CHARACTERISTICS AND BENEFITS

- Strong, high wear resistance.
- Great abrasion resistance.
- High elongation, elasticity.
- Seamless and waterproof.
- High chemical resistance.
- Very fast curing (a few seconds).
- Very good adhesion to concrete, metal and other substrates.
- Vertical and horizontal applications (also above the head).
- Fire retardant protection.

## APPLICATION PRESCRIPTIONS

- **Preparation**  
Adequate surface preparation is mandatory for success. Thoroughly clean the surface in order to have a good adhesion. All dust, grease, paint and loose particles are to be removed. Apply UREASPRAY FR only on dry and clean surfaces.
- **Primers**  
For metals: UREAPRIM METAL  
For concrete: UREAPRIM CONCRETE  
For other substrates: contact ADCOS NV  
Allow the primer to cure for a minimum of 2 to 3 hours, depending on the temperature.
- **UREASPRAY FR**  
UREASPRAY FR is hot sprayed with a 2-component high pressure reactor. It should be sprayed within 48 hours after application of the primer. This spray coating has a very short reaction time, making it possible to apply the coating horizontally, vertically and above the head. The coating can be applied from 1 mm to 5 mm in thickness. It is advisable to place a 40-mesh filter or lower on the A side (amine blend) of the mixing head.

## TECHNICAL DATA

Mixing ratio	1:1 (volume)
<b>Mechanical properties</b>	
Shear strength	40 N/mm
Shore A hardness (EN ISO868)	92
Shore D hardness (EN ISO868)	45
Tensile strength (NBN EN 12311-2)	21 Mpa
Elongation (NBN EN 12311-2)	350 %
<b>Fire properties</b>	
ISO 11925 -2 Ignitability of products subjected to direct impingement of flame	
ISO 9239-1 Determination of the burning behavior using radiant heat source	

## USAGE

+/- 1,05 kg/mm/m<sup>2</sup>

Standard thickness for application is 2 mm, larger thicknesses are possible.

## PACKAGING

Standard packaging:

- Set of 120 kg (60kg comp. A (amine) + 60kg comp. B (ISO))
- Set of 450 kg (225kg comp. A (amine) + 225kg comp. B (ISO))

## SAFETY AND HEALTH PRECAUTIONS

Do not breathe dust/fume/gas/mist/vapours/spray.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If on skin or hair: Take off immediately all contaminated clothing. Rinse skin with water/shower.

For more information, consult the safety data sheet.