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**: UREA PRIM METAL
  **For concrete**: UREA PRIM 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**

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

**USAGE**

+/- 1.05 kg/mm²
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.