



# UNI-100®

## FAST, THIXOTROPIC RIGID PVC CEMENT



### PRODUCT DESCRIPTION

Fast, thixotropic rigid PVC cement.

### FIELD OF APPLICATION

For joining pipes, sockets and fittings with interference fit and loose fit (gap filling) in pressure and drainage systems. Suitable for diameters ≤ 315 mm. Max. 16 bar (PN 16). Maximal tolerances 0.8 mm diametrical clearance / 0.2 mm press fit. Suitable for e.g. pipe systems conforming to EN 1329, 1452, 1453, 1455 and ISO 15493 (PVC).

### PROPERTIES

- Fast
- Thixotropic
- Gap filling

### CERTIFICATES & STANDARDS

| Certificates     |   |
|------------------|---|
|                  | Adhesive for non-pressure thermoplastic piping systems in installations for the transport/disposal/storage of water (EN 14680).                             |
|                  | Adhesive for thermoplastic piping systems for fluids under pressure in installations for the transport/disposal/storage of water (EN 14814).                |
|                  | KIWA: Adhesives for connections in PVC and PVC/CPE water pipe systems. Approved for drinking water. Certificate K5067 based on BRL K525.                    |
|                  | KOMO: Adhesives for connections in non-plastified PVC interior sewage systems. Certificate K4395 based on BRL 5221.   |
|                  | Kitemark: Solvent cement for pressure and non-pressure thermoplastic pipe systems. Licence KM 87235 (BS 4346/3).  |
|                  | WRAS: Approved for drinking water. WRAS certificate (BS 6920).  |
|                  | Adhesive for non-pressure thermoplastic piping systems in installations for the transport/disposal/storage of water (EN 14680).                             |
|                  | Adhesive for thermoplastic piping systems for fluids under pressure in installations for the transport/disposal/storage of water (EN 14814).                |
| <br>IT-DT-Ki0410 | KIWA-UNI: Adhesive for thermoplastic piping systems for fluids under pressure and drinking water. Certificate KIP-097532 based on UNI EN 14814 and D.M.174. |
|                  | PZH: Hygienic Certificate B/BK/60110/1444/22.   |
|                  | SZU (Strojirensky Zkusebni Ustav), Centre for Health and the Environment: Approved for drinking water.  |

Our advice is based on extensive research and practical experience. However, in view of the large variety of materials and the conditions under which our products are applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.



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## FAST, THIXOTROPIC RIGID PVC CEMENT

| Certificates    |  |
|-----------------|--|
| <b>BFKH</b>     | BFKH (Budapest Főváros Kormányhivatala): Approved for drinking water.  |
| Standards       |  |
| <b>EN 14680</b> | EN 14680: Meets requirements European standard 14680: Adhesive for non-pressure thermoplastic piping systems.              |
| <b>EN 14814</b> | EN 14814: Meets requirements European standard 14814: Adhesive for thermoplastic piping systems for fluids under pressure. |

### PREPARATION

**Working Conditions:** Do not use in temperatures  $\leq +5^{\circ}\text{C}$ .

### APPLICATION

**Coverage:** Indication of the number of joints per 1 L:

| Ø | 32  | 40  | 50  | 63  | 75 | 90 | 110 | 125 | 160 | 200 | 250 |
|---|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|
| # | 650 | 290 | 160 | 100 | 90 | 70 | 40  | 30  | 20  | 12  | 8   |

### Directions for use:

1. Cut pipes square, chamfer edges and deburr. 2. Clean surfaces with Griffon Cleaner and Cleaner Cloth. 3. Apply adhesive rapidly and evenly lengthways on both surfaces (pipe thickly, socket thinly). 4. Assemble joint immediately. Remove excess adhesive. Do not load the joint mechanically for the first 10 minutes. Close packaging immediately after use.

**Stains/residue:** Remove adhesive stains with Griffon Cleaner and Cleaner Cloth.

| 16 - 63 mm | 40 - 90 mm | 50 - 160 mm | 160 - 315 mm |
|------------|------------|-------------|--------------|
| 250 ml     | 500 ml     | 1000 ml     | BRUSH        |

### TECHNICAL SPECIFICATIONS

|                                    |  |
|------------------------------------|--|
| Chemical base:                     | PVC in solvent blend   |
| Chemicals resistance:              | The chemical resistance of adhesive joints depends on the gap width, drying time, pressure, temperature, type and concentration of medium. The adhesive joint generally has the same chemical resistance as the material itself. Exceptions to this are a small number of very aggressive chemicals such as concentrated inorganic acids, caustic solutions and strong oxidants. |
| Colour:                            | Transparent  |
| Density approx.:                   | 0,98 g/cm <sup>3</sup>   |
| Flash point:                       | K1 (<21°C)   |
| Temperature resistance:            | 60 °C  |
| Temperature resistance, peak load: | 95 °C  |
| Solid matter approx.:              | 22 %   |
| Viscosity:                         | Thixotropic  |
| Viscosity approx.:                 | 1450 mPa·s   |

| Ø          | 16 – 63 mm |         | 75 – 110 mm |          | 125 – 315 mm |          |
|------------|------------|---------|-------------|----------|--------------|----------|
| °C         | 10 BAR     | 16 BAR  | 10 BAR      | 16 BAR   | 10 BAR       | 16 BAR   |
| 5°C - 10°C | 4 hours    | 8 hours | 8 hours     | 16 hours | 16 hours     | 32 hours |
| >10°C      | 2 hours    | 4 hours | 4 hours     | 8 hours  | 8 hours      | 16 hours |

\* Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

### STORAGE CONDITIONS

Shelf life: At least 24 months after production.

Stored in unopened packaging between +5°C and +25°C.

Best Before Date (MM/YY): see packaging. Close packaging properly after use and store in a dry, cool, and frost-free location.

Limited shelf life after opening.

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