A simple, fast and practical coating system used for drain and sewer renovation. Coat unlined or lined pipes/connections from 1¼" - 6". Used to coat anything from a small area such as a lined connection to entire piping systems, for example apartment buildings.

- **Range:** up to 32ft. **Wall thickness/coat:** (1/16") depending on resin.
- **Recommended wall thickness:** (1/8") depending on pipe diameter (2-4 coats needed).
- Small and light (about 33 lb). Fits easily in tight places.
- Easy to clean and service.
- Use with the Picote resin or the resin of your choice that bonds with your liner, or piping materials.
- Brushes, hoses and shaft (¾") are priced and sold separately as needed to customize your package.
- **Required:** a CCTV camera and a Mini Miller to power the coating system.

**ADDITIONAL INFORMATION**

**How long will the pipe be out of service?**
Dry to touch 3-12 hours, light wearing 1 day, final hardness 7 days. Service can be restored after 12-24hrs. (Curing times may vary depending on resin)

**Type of pipe:**
Depending on resin, the coating system is suitable for **cast iron, PVC, concrete or clay** pipes. Ask your reseller for details.

**Other application:**
If used to coat outside during cold weather, use heat.

The Picote Coating System is powered by the Mini Miller.

The Coating Pump is conveniently set on the top of the Mini Miller. The system is practical and easy to keep clean. Use your Mini Miller for drain cleaning & reinstatements too.

**SELF-SUPPORTING ◇ DAMP-PROOF ◇ CORROSION RESISTANT ◇ WEAR-RESISTANT ◇ ANTI-STATIC ◇ ELASTIC**
# PICOTEC COATING RESIN TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Product facts</th>
<th>This product has been created to renovate drains and sewers by brush casting a coating. The specially formulated coating resin forms a pipe inside the original pipe that is a tested, safe and environmentally friendly product. The new pipe is damp-proof, corrosion resistant, wear-resistant and non-corrosive. Thanks to a high breaking stretch, it also withstands shocks and bending. The new drainpipe becomes elastic and antistatic.</th>
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| Uses | 1. **Extend the life span of the original pipe**: The resin can be used to prolong the life of an existing pipe. Clean the pipe well. Apply single 1/16" (0.5-1mm) coat or dual coats of the resin. The new slick inner surface will increase the flow inside the pipe minimizing the risk of blockages.  
2. **Create a new structural pipe**: Apply several coats of the resin forming a seamless new pipe with a 1/8" (2-4mm) wall thickness depending on the diameter of the drain. Estimated service life 30-50 years. |
| Benefits for contractors | Extend the service life of a pipe, stop corrosion, create a new pipe, "patch" on top of CIPP liner and fortify connections*. Apply to small areas or all drains in multi-story buildings. The Picote Coating System is affordable, practical and easily fits in tight places.  
*Ensure that materials are compatible and the surface is properly prepared. |
| Benefits for property owners | Enjoy the benefits of a trenchless renovation, stay at home or keep your business open during drain renovation.  
**The Greener Alternative**: Eliminating the need to destroy existing walls, gardens or sidewalks, the no-dig solution reduces waste produced at job sites. Interruptions to traffic are also minimized. All materials used are non-toxic. |
**PICOTE COATING RESIN**  
**TECHNICAL SPECIFICATION**

| **Base materials/pipe diameter** | Concrete & cast iron from 1¼”x6” (DN32-150)  
PVC* from DN70-150/3”-6”  
*Not recommended for 2”-3” (DN32-50) PVC pipes where very hot water runs through. |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>Working method</strong></td>
<td>Coating with brush</td>
</tr>
<tr>
<td><strong>Hardness</strong></td>
<td>Adjustable shore A40D-75+</td>
</tr>
<tr>
<td><strong>Tensile strength</strong></td>
<td>6-25N/mm²</td>
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<tr>
<td><strong>Adhesion strength: metal</strong></td>
<td>100-250 kp/cm² depending on hardness. Cohesive failure value depends on flexibility/hardness set.</td>
</tr>
<tr>
<td><strong>Adhesion strength: concrete</strong></td>
<td>26-35kp/cm², 100% concrete breakage</td>
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<td><strong>Portioning</strong></td>
<td>Weighing accuracy +/- 3%</td>
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<tr>
<td><strong>Pot life</strong></td>
<td>Mixed resin about 25 min (T=20°C)/68°F</td>
</tr>
<tr>
<td><strong>Hardening</strong></td>
<td>Dust dry 12h, light wearing 1 day, final hardness 7 days. Second coat 2-16 hours after first treatment when T= 60.8°-77°F (16-25°C)</td>
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<tr>
<td><strong>Levelling</strong></td>
<td>On horizontal surfaces the product evens out by itself. On slanting surfaces apply many layers at 4-hour intervals.</td>
</tr>
<tr>
<td><strong>Gas emissions</strong></td>
<td>No harmful gases released during mixing and after hardening.</td>
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<tr>
<td><strong>Dry content</strong></td>
<td>100%</td>
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</tbody>
</table>
| **Density** | Plastic part 950-1050kg/m³  
Hardener part 1230kg/m³ |
| **Temperatures** | Installation: 60.8°-122°F (16-50°C)  
Storage: 60.8°-77°F (16-25°C)  
Finished product:  
-40 to +248°F (+392 °F special application)  
-40 to +120°C (+200°C special application) |
| **Fire grading** | 95/28/EC, L |
| **Gloss** | Semi-gloss |
| **Thinner** | Not used |
| **Coverage** | Concrete 1kg/m² (1/16” / 1mm thickness)  
average 1kg=1-3m²  
Steel average 1kg=2-52 |
| **Shrinkage** | Does not shrink |
| **Humidity** | Forms a watertight film |
| **UV resistance** | Direct sunlight can alter colour of coating |
| **Flexibility** | +25 |
| **Electrical conductivity** | Electrical insulating material, does not conduct electricity |

**Package sizes:**
- 922-8340 Coating, Resin & Hardener 12oz.
- 922-8341 Coating, Resin & Hardener 17lb. 11oz.
- 922-8342 Coating, Resin & Hardener 35lb. 5oz.

**Shelf life:**
- Hardener: 6 months
- Plastic part: 24 months

**Mixing ratio:** 100:65
- Plastic 100: Hardener 65
### Static properties

<table>
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<th>Tests</th>
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| VTT Research Report No. TEX 9910  
Determination of tensile strength and related stretch  
Resistance, Water absorption, Water vapour permeability  
VTT Research Report No. TEX 978. Tensile test for measuring adhesion  
VTT standard SFS-EN 1253-2/9.1.2. Testing water tightness of the seam between the gulley and coating  
Waterproofing certificate No. VTT-C-4748-09  
At VTT according to directive 95/28/EC. Fire testing (in accordance with ISO 3795, SFS 5337, DIN 75200 and FMVSS 302).  
Tampere University of Technology: Salt spray tests, Compression strength Betonialan Ohuthiekeskus Oy: Acid tolerance test, Adhesion strength test  
Regional office of the Finnish Institute of Occupational Health, Turku  
Tests required for M1 emission classification, such as  
Formaldehyde result: <0.02 mg (m²h)  
Ammonia result: <0.01 mg (m²h)  
Carcinogens result: <0.002 mg (m²h) |

### Certification

Certified by VTT, Finland: Principle VTT SERT R041 trenchless drain renovation method. Certificate No. VTT-C-8552-12 (2613 Water and Sewer equipment products)

Recommended minimum wall thickness 1/8" (2mm) DN100 or larger pipe recommended minimum wall thickness 3/16" (3mm) or more.

### Industrial safety

Ready-measured product must not be in contact with skin (it adheres)

### Safety data sheet

Delivered with first order