QTECH PRODUCTS
POLYUREA ELASTOMERIC COATING
APPLICATION INFORMATION

Surface Preparation

Metal
Mechanical methods such as sand blasting, shot blasting, grinding, sweep blast or high pressure water blasting are preferred. All surfaces should be clean and free from contamination. The surface should be assessed and treated in accordance with ISO 8504. The surface should accord to minimum SA 2.5, as per ISO 8501–1, for a visual assessment of surface cleanliness with an anchor of 75–100 microns.

Concrete
Mechanical methods such as sand blasting, shot blasting, grinding, sweep blast or high pressure water blasting are preferred. The surface of concrete should be dry, smooth, and structurally sound. It should also be free of depression, scale, or foreign deposits of any kind. Remove all curing compounds, laitance and expose all voids. Use a good surface preparation system for bug hole filling, skim coat or repairs. All concrete should be tested for moisture.

Substrate Repairs
Repair all spalls and delaminations, rout and seal all moving cracks with Qtech surface preparation system or approved epoxy/urethane sealant. Pre-fill all bugholes with epoxy gel. For steel, welds should be continuous and ground smooth.

LEADING TECHNOLOGY, PROVEN QUALITY
**Cure Time**

<table>
<thead>
<tr>
<th>Surface Dry (25 °C)</th>
<th>1 minute (consult us for featured products)</th>
<th>Hard Film (25 °C)</th>
<th>&lt; 10 minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recoat Time/hours</td>
<td>0–6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Due to rapid cross-linking, recoating must be done as soon as the first coat is dry.

If maximum recoat time is exceeded, abrade surface before recoating.

Consult us for recommended recoat procedures.

**Application Equipment**

This material must be applied utilizing high-pressure, heated plural component spray proportioning equipment.

<table>
<thead>
<tr>
<th>Fluid Pressure (kg/cm²)</th>
<th>50–60</th>
<th>Air Pressure (kg/cm²)</th>
<th>≥ 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet Strainer Screen/mesh</td>
<td>30</td>
<td>Gun Screen/mesh</td>
<td>80</td>
</tr>
<tr>
<td>Heaters and heated hose/°C</td>
<td>65</td>
<td>Mix Ratio V/V</td>
<td>1.1</td>
</tr>
</tbody>
</table>

It must be designated by Qingdao Shamu International Trade Co., Ltd. If without our verification, all application losses are proud.

For all substrates, we also recommended applied qtech-112 all weather compatibility surface preparation system, If without surface preparation system compatibility verification, all application losses are proud.

**Application Conditions**

- **Temperature:**
  - Air and surface: −20°C-40°C
  - At least 3°C above dew point
  - Relative humidity: ≤ 90%

- Materials must be preheated to 21°C prior to use.

**Storage and Transport**

- The A component is affected by moisture and must be protected from moisture contamination. Containers are factory sealed with an inert gas to prevent contamination. Keep all containers tightly closed during storage. For further storage after opening, containers must be purged with nitrogen gas or dry air and tightly sealed to protect from moisture contamination.
  - Store drums and pails in a cold, dry and ventilated location between 15°C and 40°C.
  - Six months in sealed unopened containers.
  - Keep away from fire and heat source.
  - Keep away from rain and sun.

**Safety**

Read and understand the MSDS provided with all shipments. Always use products with adequate ventilation and use required PPE. For confined space use fresh air supply. For open air, use half face, twin cartridge respirators approved for MDI. Always protect eyes and skin.

Strictly adhere to industry safety standards.

**Availability**

Because of the technical nature of the material and equipment required that will assure you of a professional installation, Qtech series products is available through a professional trained applicators by Qingdao Shamu International Trade Co., Ltd.

Consult Qingdao Shamu International Trade Co., Ltd. Technologies for complete specifications and technical assistance.