

Qttech-301 Hand-Brushable Polyurea

Description

Qttech-301 is the hand-brushable polyurea material. The system consists of A component, quasi-prepolymer rich of free NCO, and B component, a mixture of polyetheramine, amine extender and other additives. **Qttech-301** is relatively moisture and temperature insensitive, allowing application in the most problematic ambient conditions. It can be cured as different thickness and applied in the places that is difficult to spray. The pot life is very long and good self-leveling.

Properties

- ★ Good adhesion with concrete and metal
- ★ Low moisture and temperature sensitivity
- ★ No VOC, environmental-friendly
- ★ Excellent skidding resistant, anti-corrosion and waterproof properties
- ★ Seamless, flexible, slick and non-porous
- ★ Hand-mixing, ease of application
- ★ UV resistance

Application Field

Qttech-301 slow system curing elastomer material has long pot life, which can be hand-mixing and hand-brushing or spraying. It can be rightly used for the concrete floor, iron anti-corrosion system.

Performance Index

Solid Content/%	>99
Gel Time/min	>20
Shelf Life/min	6~12months
Pot life/min	15min
Tact Free/min	>90
Tensile Strength/MPa	8~10
Elongation at Break/%	600~700
Hardness/Shore A	65~70A
Adhesion/(Concrete, MPa)	≥2.5
Flash Point/°C	>120
Mixing Ratio/(Volume)	1:1
Color	Transparent
Density /(g/cm ³)	0.95~1.05

Substrate Preparation

Metal: The class of sand blast is 2.5Sa and the metal surface is coated by anti-corrosion primer. Keep the surface clean, no oil and dust.

Concrete: The concrete is dried (Moisture content <9%) and keep the surface no dust and no cement paste.

Coating Method

- Stir as the ratio and brush on the surface of the substrate. Do not add any solvent into this system.

Package

Component A: 10kg/barrel

Component B: 10kg/barrel

Notes:

1. Qtech product is intended for industrial use by properly trained professional applicators only.
2. Adding a nitrogen blanket is strongly recommended for use on the “A” component for storage after opening.
3. The quality and fitness of the product is depending upon the proper mixture and application of the component by the applicator.
4. This specification is an accumulation of long-term testing and experience. Published technical data and instructions are subject to change without notice.