



Qtech-112

ALL WEATHER SURFACE PREPARATION SYSTEM

Production Description

Qtech-112 all weather surface preparation system is independently developed by Qingdao Shamu International Trade Co., Ltd. and it is a china patent technology (Patent No: 200910017392.1). It is low solvent, ambient moisture and temperature insensitive, structural non-sag primer, putty, adhesive and repair material. It is formulated to applied at low temperature (-15°C), high temperature (100 °C), high humidity (100%) environment and it is also allowing application in the most problematic ambient conditions. It exhibits the optimum viscosity using for filling bug holes, pinholes, cracks on vertical or over head of concrete and other substrate repairing, **Qtech-112** provides the high adhesion needed to create a sound substrate prior to application of coatings and linings such as Qtech series polyurea. **Qtech-112** is polyurethane based single component or two component, high solids, liquid applied surface preparation material with unique penetrating characteristics.

Advantages

- High modulus, high strength, structural gel adhesive
- Creamy viscous consistency for easy filling of bug holes
- Easy 1:1 mix ratio
- Application at -20°C to 100°C
- Remains flexible in wide range of temperatures
- Chemical attack resistance
- Non-sag gel for vertical and overhead applications
- Excellent adhesion to most difficult surface
- Fast cure, rapid in-service times and long pot life
- Moisture insensitive for damp surfaces
- Penetrates surface rust, crevices, and back-to-back angles

LEADING TECHNOLOGY, PROVEN QUALITY

Recommended Uses

- Filling of bug holes, pin holes, cracks prior to coating or lining systems
- Vertical and overhead repairs
- Surface seals cracks prior to pressure injection of epoxy and polyurethane
- Injection into large cracks
- Structural bonding concrete, masonry, metals, wood, etc
- Primer for Qtech serials polyurea systems on concrete or steel
- Immersion and Non-Immersion conditions



Physical Properties

Appearance: A component	Transparent yellow liquid	Appearance: B component	Pale yellow liquid
Coverage/%	100	Consistency	0(no flow)
Tack free time/(25°C, RH:60%,hrs)	≤0.5	Cure time/(25°C, RH:60%,hrs)	≤2
Pot life/hours	6	Viscosity/ (25°C, cps)	600
Shelf life /(25°C, months)	12	Solids /(By Volume, %)	90
Adhesion/(pull off, concrete, MPa)	≥2.5	Adhesion/(pull off, Steel, MPa)	≥10

- The above properties and values are highly dependent on temperature, equipment, and related parameters and slight are possible

Packaging

- Part A: 25kilogram per drums.
- Part B: 25 kilogram per drums.

(Custom package available at additional charge)

Notes

- Reading and understand the production information.
- This product is intended for industrial use by properly trained professional applicators only.
- Adding a nitrogen blanket is strongly recommended for use on the “A” component for storage after opening.
- The quality and fitness of the product is depending upon the proper mixture and application of the component by the applicator.
- This specification is an accumulation of long term testing and experience. Published technical data and instructions are subject to change without notice.
- For more information please consult us or visit our website www.shamu-intl.com and www.polyurea.cn.

Innovation is our daily work. The latest specification could be updated and downloaded at www.shamu-intl.com.



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