

Qtech-412 Coastal Dam Polyurea Protective Material PRODUCTION INFORMATION

Production Description:

Qtech-412 Coastal Dam Polyurea Protective Material is independently developed by Qingdao Shamu International Trade Co., Ltd. It is the state of the art 100% solids, ultra fast cure, flexible, spray-applied, high build, and two components aromatic pure polyurea elastomer. The system consists of A component, a quasi-prepolymer rich of free NCO, and B component, a mixture of polyetheramines, amine extenders and other additives. **Qtech-412** is used by itself or in combination with other materials to produce dam protective coatings, anti collision liners, reinforcing layer, and resilient surface on concrete, stone and other substrates. **Qtech-412** can produce an extremely tough film at all thicknesses; it may be applied in all positions and to any suitably prepared substrate. **Qtech-412** can effectively decrease the impact of tidewater to dam, improve the imperviousness, prevent floods and debris flow damage and improve the safety and durability of dams.

Advantages :

- 1. Anti- collision, Impact resistance, Impermeable, Abrasion resistant
- 2. Bondable and paintable to various kinds of substrates
- 3. Fast cure, short down time, no sagging
- 4. Excellent Physiochemical Properties
- 5. Ambient insensitive, good thermal stability
- 6. 100% Solids, No VOC's, Odorless, No Toxic Vapors
- 7. Good resistance to a wide range of chemical attack
- 8. Good weather ability, Added color stability
- 9. Wide service temperature (-45~150 °C)
- 10. Seamless, flexible, slick and non-porous
- 11. No chalking and fading in long-term use outdoors

Recommended Uses:

Qtech-412 Coastal Dam Polyurea Protective Material is an ultra fast cure system; it can be applied at thicknesses of several ten millimeters, or greater, in a single application. It can be widely used in Coastal dam, Buttress dam, Overflow dam, Flood-discharge tunnel, Desilting tunnel, Water diversion canal, Flood embankment and Flood discharge facility coordination.







	25
	415
	80
	A-88
³ /1.61km, mg)	0.45
	0.85~0.96
	≥3.5
	0.95~1.05
100	
0	
14	
20~30	
6 months, unop	ened at 15~40 °C
>100	
1:1	
2~3	
Optional	
	0 14 20~30 6 months, unop >100 1: 1 2~3

Drying time is temperature, humidity, and film thickness dependent.

Chemical Resistance:

Consult our technicist and chemical test date for corrosive environment applications.

Installation:

Consult our application information and recommended method statements.

Packaging:

Part A: 220kilogram per drums.

Part B: 200 kilogram per drums. (Custom package available at additional charge)



Notes:

- 1. Qtech product is intended for industrial use by properly trained professional applicators only.
- 2. Thoroughly mix container of B component with an air-driven power mixer for a minimum of 15 minutes prior to application.
- 3. Adding a nitrogen blanket is strongly recommended for use on the "A" component for storage after opening.
- 4. It is a 100% solids production, strictly prohibit add any diluents.
- 5. The quality and fitness of the product is depending upon the proper mixture and application of the component by the applicator.
- 6. This specification is an accumulation of long term testing and experience. Published technical data and instructions are subject to change without notice.
- 7. For more information please contact us or visit our website www.shamu-intl.com and www.polyurea.cn.