Flexjoint™ 700 Topcoat

SELECTION & SPECIFICATION DATA

Type
Fluorocarbon-based Synthetic Rubber

Description
Flexjoint 700 Topcoat is a two-component, fluorocarbon topcoat for application overtop polyurethane and polysulfide-based expansion joint sealants. It is a practical and efficient means to extend the chemical resistance of sealants for a wide range of aggressive chemicals including highly acidic compounds. By preparing the surface of polysulfide sealant with Flexjoint 700 Tackifier, adhesion of the topcoat to the sealant's surface is optimized for superior durability.

Uses
Chemical resistant topcoat for joint sealant.

Features
- Economically enhances the performance conventional sealants
- Makes efficient use of high-value chemical barrier technology
- Packaging in small, proportioned kits limits overage and waste
- Dry service temperature to 400°F (204°C)

SUBSTRATES & SURFACE PREPARATION

All
Surfaces must be clean, dry and free of contaminants.

Preparation
Tape off joints 1/4 inch (6 mm) to 1/2 inch (12 mm) from the edges of the joints. Just barely wet the surface of the clean, dry sealant with Tackifier. Application of too much Tackifier may impair adhesion. Allow Tackifier to dry a minimum of 16 hours. Tackifier may appear dry in less than 16 hours; a minimum of 16 hours is needed for product to activate surface of polysulfide sealant. Dry time may be accelerated with heat. Verify dryness before proceeding.

Primer
Polysulfide sealant: Flexjoint 700 Tackifier
Polyurethane sealant: none

APPLICATION GUIDANCE

Ratio
22A:1B by weight

Mixing
Do not mix partial kits. With a paint stick or spatula, stir Flexjoint 700 Topcoat Part A, scraping the sides and bottom of the can thoroughly, until a uniform consistency is achieved. Slowly add Flexjoint 700 Topcoat Part B and mix thoroughly. Take care to avoid whipping air into the mix.

Place the lid on the container to prevent evaporation of the solvent and thickening of the coating and leave undisturbed for 10 minutes to allow air to escape before use.

Apply a minimum of 2-3 uniform, thin coats (approximately 6-10 mils WFT per coat) of Flexjoint Topcoat over dry Flexjoint 700 Tackifier. Remove masking tape 10-15 minutes after applying second coat.

Thinning
Do not thin.

Equipment Guidelines
May be applied with brush or roller.

Pot Life
8 hours at 75°F (24°C)

Cleanup
MEK, MIBK or Acetone

CURE TIME & RECOAT WINDOW

Dry-To-Touch
>20 minutes

Cure Time
24-48 hours at 75°F (24°C) or 20 minutes at 300°F (149°C), if using hot air to heat cure

To prevent blisters from forming when heat curing, allow solvent to evaporate before applying hot air. Cold temperatures and higher WFT will slow cure.

Recoat Window
Allow solvent to evaporate prior to recoating.

SAFETY

Safety
Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

Ventilation
Provide thorough air circulation during and after application until the material has cured when used in enclosed areas.

Flexjoint™ 700 Topcoat

PACKAGING & ESTIMATING

Product	Code	Packaging
Flexjoint 700 Topcoat	40005	1 quart (946 mL), 2.2 lbs (1 kg) 2-part kit
Tackifier	40007	1.7 fl oz (50 mL)

Theoretical Coverage

Tackifier: 20 square feet per 50 mL bottle
Topcoat: 348 square feet per gallon at 1 mil DFT

Storage & Shelf Life

Maintain products in original packaging and sealed until ready for use. Estimated shelf life is 12 months when stored in a dry area at 70˚F (21˚C). Actual shelf life may vary with storage conditions. Do not store below 40˚F (4˚C) or above 110˚F (43˚C).

If there is any question with respect to the quality of the components, check reactivity prior to use. For assistance consult with Armor.

TYPICAL PHYSICAL PROPERTIES

Flexjoint 700 Tackifier

Density, ASTM D1475	6.5 lbs/gal
Specific gravity, ASTM D1963	0.82
Viscosity	5 cps
Flash Point	57°F (14°C)
Solids content	13% by weight

Flexjoint 700 Topcoat

Color	Black
Density, ASTM D1475	8.7 lbs/gal
Specific gravity, ASTM D1963	1.04
Viscosity	2,500 cps
Non-volatile content, ASTM D2697	21.7% by volume
Tensile strength of cured film, ASTM D2370	900 psi
Elongation of cured film, ASTM D2370	300%
Solids content	40% by weight

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