

**TD. 405 – TECHNICAL DATA: Crack Bridging Hybrid Membrane™**

Revised: 5.21.20

**Product Description:**

Elite Crete Systems Crack Bridging Hybrid Membrane is a 100% solids, flexible epoxy/urethane hybrid membrane, formulated to provide a tough seamless system with outstanding crack bridging capabilities, even at temperatures as low as 0°F/-18°C. It is self-priming and can be used under any Elite Crete Systems concrete overlay or epoxy floor coating.

**Uses:**

- Parking structures
- Mechanical equipment rooms
- Balconies
- Roof decks

**Features:**

- Low odor
- Remains flexible down to 0°F/-18°C
- No primer required
- Seamless protection from moisture intrusion

**Physical Properties**

<u>Property</u>	<u>Test Standard</u>	<u>Result</u>
Mix Ratio		2 to1 (2 Part A to 1 Part B)
Gel Time	ASTM C881	20-30 minutes
Color (mixed)		Blue
Consistency		Flowable
Adhesion to prepared concrete	ASTM D903 (Peel)	30 psi w/0.3kg/mm width
Adhesion to plywood	ASTM D903 (Peel)	35-40 psi w/0.40-0.55 kg.mm w
Adhesion of epoxy to membrane	ASTM D4541	400+ psi
Water vapor transmission	ASTM D1653	0.35 perms
	E-96 method 2	0.88 metric perms
Tensile strength	ASTM D412	1500 psi
Tensile elongation @ 70°F /21°C	ASTM D412	300%
Tear strength	ASTM D1004	350 psi
Viscosity mixed @ 70°F/20°C	ASTM D2196	2,000 cps
Cure time @ 73°F/23°C		8 – 10 hours
VOC content		1-2 g/L less water

**Mix Ratio:**

- 2 Part A to 1 Part B by volume

**Cure Schedule: 73°F/23°C**

- Pot Life: 20-30 minutes
- Recoat: 8-10 hours
- Foot traffic: 24 hours
- Full cure: 48 hours

**Limitations:**

- All substrates must be free of all contaminates including, but not limited to: grease, oils, sealers, unsound concrete, and laitance.
- Substrate and air temperature must be above 50°F-90°F / 10°C-32°C. **Do not freeze**

**Preparation & Application:**

- All substrates must be sound and free of contaminates and laitance.
- All concrete substrates shall be shot blasted to remove all sealers, hardeners, and laitance.
- Contact the nearest Elite Crete Systems office for specific installation conditions to ensure long term performance.