

CEILCOTE® EJ10

Expansion joint and crack sealant

DESCRIPTION:

CEILCOTE® EJ10 system is a two part rubberized asphalt compound that is designed for sealing joints and cracks in concrete, and as an expansion joint for CEILCOTE floors. It is recommended for dilute acid and alkaline solutions, but is known to resist strong solutions of some chemicals.

ADVANTAGES:

- Permanent water resistant bond
- Not moisture sensitive while curing. Has exceptional hydrolytic stability
- Mixing ratio is tolerant of slight errors
- Flexible and stretchable at temperatures as low as -70 °F (-57 °C)
- Weathering (oxygen, ozone, ultra violet radiation) and continuous immersion in water will have no appreciable affect on the sealant
- Seals cracks in concrete and CEILCOTE linings by simply grooving crack and filling
- The cured sealant has a high degree of impact resistance and resiliency

COLOR:

Black

PHYSICAL PROPERTIES:

Elongation: 400%
(ASTM D-412)

Hardness: 40 - 45
(ASTM D-2240 Shore A)

Viscosity: Self leveling

Pot Life: 30 to 40 minutes at 65 to 90 °F
(18 to 32 °C)

Flash Point: 81 °F (27 °C)
Pensky-Martens Cup

Stability: A & B unmixed indefinite

Resiliency:
(SS-S-001401)
@ 77 °F (25 °C) 93% Recovery within 20 in.
@ 120 °F (49 °C) 95% Recovery within 20 in.
@ 140 °F (60 °C) 96% Recovery within 20 in.

Elongation Effect on Bond To Concrete:

(ASTM D 1191-65)
100% elongation @ -20 °F (-29 °C) for 5 cycles with no failure in bond.

COVERAGE:

195 to 200 in³/gal (840 to 860 cm³/L)

PACKAGING:

1 and 5 gal units

MIXING RATIO:

5-1/2 oz hardener per gal of resin

APPLICATION:

In tank lining or floor covering work, the expansion joints must be treated first. They must be prepared by the procedure outlined in the following section, then protected from contamination during application of lining or floor covering. For ease of mixing and application, the temperature of the sealant should be above 60 °F (16 °C). It should be stored so it is not below 60 °F (16 °C) when mixed.

1. Joint movement should not exceed 25% of joint width.
2. Remove joint material installed by the concrete contractor to a depth of at least 1 in. (25 mm).
3. Joint walls must be clean, dry and free of dust and weak contaminated or deteriorated concrete. Joint walls should be prepared by abrasive blasting.
4. If adjacent concrete surfaces are protected with a lining or coating, the lining/coating should be applied to the walls of the joint.
5. Place backing material so that the sealant depth will be 1/2 of the joint width (refer to Specification #MFS-140 and to MFS-190 for joint depth).

Placement:

Mix the two components (Part A and Part B) together for two minutes using a jiffy mixer (Jiffy Mixer Co., Irvine, California) or equal, powered by a low speed (400 to 600 rpm) electric drill. Mix for 7 minutes.

Pour thoroughly mixed CEILCOTE EJ10 material into the prepared joint until flush with top surface of slab. Tool surface to a smooth finish. If CEILCOTE EJ10 material must be thickened for use on vertical or overhead surfaces, use a small amount of CEILCOTE S#11 Powder.

Seven (7) days curing at 70 °F (21 °C) is required for maximum bond.

SAFETY:

1. Contains Combustible Liquids
2. No flame, smoking, matches, sparks or welding should be permitted within 50 feet of the work area.
3. Provide sufficient ventilation to change air inside an enclosed area once every minute. Make certain air is circulated in all parts of the area.
4. Over exposure - eye contact results in irritation and may cause corneal injury. Skin contact, if prolonged, will cause mild irritation. Repeated contact may result in superficial burn. Flush both eyes and skin with water.
MEDICAL ATTENTION SHOULD BE OBTAINED IMMEDIATELY. If taken internally, CONSULT PHYSICIAN IMMEDIATELY.
5. Hardeners with RED CEILCOTE labels must never be combined with Hardeners with YELLOW CEILCOTE labels. They will react violently if mixed together in the same container. Do not store packages with RED labels near packages with YELLOW labels. Use only in accordance with manufacturer's instructions.

NOTE: Dept. of Transportation diamond labels are not color coded as per the above warning.

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