

Description

CEILCOTE EJ10 is a two part rubberised asphalt compound 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. It is available in a pourable version and a trowelable version.

Typical Uses

- In structures subject to thermal stress
- Where adhesion to more than one construction material is desired.
- Where a chemical resistant sealer is needed.
- Interior and exterior applications.
- In low temperature environments.

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.
- Seal cracks in concrete and CEILCOTE linings by simply grooving crack and filling.
- The cured sealant has a high degree of impact resistance and resiliency.

Chemical Resistance

Information on the chemical resistance properties will be furnished on request.

Substrate

Refer to Ceilcote concrete specification CPT-1 for concrete requirements and CPT-2 for steel.

Preparation

In floor covering work, the expansion joints 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" (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).

Application

CEILCOTE EJ10 consists of a two-component elastomeric joint compound.

Mixing Ratio

	By Weight	By Volume
EJ10 Resin	100	1 gal (3.79 liters)
EJ10 Hardener	2	2.5 oz (74ml)

1. 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 - 600 rpm) electric drill. Mix for 7 minutes.
2. Pour (pourable grade) thoroughly mixed CEILCOTE EJ10 into the prepared joint until flush with top surface of slab.
3. Tool surface to a smooth finish. If joint material must be used on vertical surfaces, use EJ10 Trowelable grade.
4. Seven (7) days curing at 70°F (21°C) is required for maximum bond.

Handling Properties

Working Time

Temperature	Time
60°F (16°C)	40 min
75°F (24°C)	30 min
90°F (32°C)	20 min

Cure Times

Temperature	Tack Free	Cure
75°F (24°C)	6 hrs	2 days
90°F (32°C)	4 hrs	1 day

Coverage

195-200 in³/gal (840-860cm³/liter)

Packaging

Ceilcote EJ10 Pourable 1 gal units (3.79 liters)
 Ceilcote EJ10 Trowelable 1 gal units (3.79 liters)

Storage

Store in a cool, dry [50°- 90° F (10° - 32° C)] and covered location away from fire hazards and direct sunlight. Minimum shelf life at 70°F (21°C) is 12 months



Higher temperatures will shorten the shelf life of these products.

Safety

1. Contains Combustible Liquids
2. No flame, smoking, matches, sparks or welding should be permitted within 50' (15m) 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. During application of CEILCOTE EJ 10 materials, always wear gloves and appropriate work clothing to minimize contact. Ventilation is required with special consideration

for enclosed or confined areas. Air movement must be designed to insure turnover at all locations in work area and adjacent areas to avoid buildup of heavy vapors. Use caution when handling flammable liquids; eliminate sources of ignition from work area and containers with residues.

6. Observe safe storage practices by separating resins from hardeners, by keeping solvents in a cool area, free of sources of ignitions.
7. Product Material Safety Data Sheets are available and should be consulted when handling products. These products are for industrial and professional use only; application directions must be followed.

Maintenance

Periodically inspect the applied material and repair-localized areas as needed. Consult your CEILCOTE representative for additional information.

Technical and Physical Data

	Test Standard	Unit	Value
Elongation	ASTM D-412	%	400
Hardness	ASTM D-2240 Shore A	Shore A	40-50
Viscosity			Self Level
Flash Point	Pensky-Martens Cup	°F (°C)	81 (27)
Stability			A&B unmixed indefinitely
Resiliency	SS-S-001401	% Recovery within 20" @ °F (°C)	93% @ 77 (25) 95% @ 120 (49) 96% @ 140 (60)
Elongation Effect on Bond to Concrete	ASTM D1191	% elongation @ -20°F (-29°C) for 5 cycles with no failure in bond	100

Important Note

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to law) any loss or damage arising out of the use of the product. WE HEREBY DISCLAIM ANY WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local International Paint representative that this data sheet is current prior to using the product.

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