

BOND BREAKER FOR PRESTRESSED CONCRETE BEAMS

Effective: April 19, 2012

Revised: October 23, 2020

Add the following to Article 504.02.

(l) Membrane Curing Compounds.....	1022.01
(m) Protective Coat.....	1023.01

Add the following to Article 504.06.

(g) Bond Breaker for Precast Prestressed Concrete Beams. Bond breaker shall be applied to the top flange of precast prestressed concrete beams. After the beams have been erected at the job site and just prior to installation of the bridge deck reinforcement, portions of the top surface of the beams identified on the plans shall have one of the following bond breakers applied:

1. Two coats of Type I, II or III membrane curing compound applied with a roller
2. Two coats of protective coat applied with a roller
3. Bonded Roofing felt - 30 lbs. (13.6 kg)

The concrete surface shall be clean of loose debris and dry for a minimum of 2 hours, prior to application of the bond breaking material. The temperature of the concrete and air shall be 40°F (4°C) or higher at the time of application.

For systems requiring multiple coats, the second coat may follow immediately after the first coat. The material shall not be exposed to rain, snow, or foot traffic for a minimum period of 4 hours after application.

Damaged or compromised bond breaker, as determined by the Engineer, shall be repaired.