



Premier Coatings Covercoat System™ Column Base Protection Application Specification Guide

1.0 Scope

- 1.1 This specification may be used for protecting structural steel column bases and structural steel beams.
- 1.2 The Engineer shall select appropriate sections of the specification to ensure that the specification is comprehensive for specified work.

2.0 Materials

- 2.1 Contractor shall comply with all written recommendations of the manufacturer regarding applications of the specified system.
- 2.2 To obtain the specified materials contact Premier Coatings, 9710 Telge Road, Houston, TX 77095 (Tel) 281-821-3355 (Fax) 281-821-0304 or 90 Ironside Crescent Unit 12, Toronto, Ontario, Canada M1X1M3 (Tel) 416-291-3435 (Fax) 416-291-0898. E-mail: info@premiercoatings.com.

3.0 Materials

3.1 Premier Coatings Primers

- 3.1.1 The Prembond Hi-Tack™ Primer shall be a high melting point petrolatum with added adhesive properties. The primer is very tacky and aids adhesion of petrolatum tapes.
- 3.1.2 The physical specification values shall meet the values given on the data sheet.

3.2 Prembond Mastic™

- 3.2.1 The Prembond Mastic shall be a cold applied self-supporting molding mastic. It is a petrolatum compound containing beads of closed cell cellular polymer and flow control additives.
- 3.2.2 The Physical specification values shall meet the values given on the data sheet.

3.3 Prembond Hi-Tack™ Tape

- 3.3.1 Prembond Hi-Tack Tape shall be comprised of a non-

woven synthetic fabric impregnated and coated with an adhesive compound based on petrolatum, polymers and inert siliceous fillers. Adhesion qualities are higher compared to other Premier Coatings Petrolatum Tapes.

- 3.3.2 The physical specification values shall meet the values given on the data sheet.

3.4 Premier D14 Scrim™

- 3.4.1 The Premier D14 Scrim shall be a non-woven membrane with longitudinal reinforcing stitching, manufactured from 100% polyester fibers.
- 3.4.2 The physical specification values shall meet the values given on the datasheet.

3.5 Premier Basecoat™

- 3.5.1 Premier Basecoat shall be a two component hard wearing coating, consisting of a liquid portion containing synthetic polymers and waterproofing admixtures and a cementitious powder portion consisting of fine fillers.
- 3.5.2 The physical specification values shall meet the values given on the datasheet.

3.6 Archco 15™

- 3.6.1 Archco 15 shall be a single part, high build, high performance water based acrylic topcoat for premier Coatings Tape Systems.
- 3.6.2 The physical specification values shall meet the values given on the datasheet.

4.0 General Surface Preparation Requirements

- 4.1 Remove dirt, grease and oil including excessive moisture and frost in accordance with the requirements of SSPC-SP-1, "Solvent Cleaning".
- 4.2 Remove loose rust, paint and foreign matter by hand and/or power tools cleaning in accordance with SSPC-SP-2, or SP-3, "Hand Tool Cleaning" or "Power Tool Cleaning" respectively.

4.3 High pressure water blasting may be used to prepare the surface.

5.0 Application of Prembond Hi-Tack Primer

5.1 Apply a thin uniform film over all surfaces to be coated.

5.2 Apply a liberal coating to threads, cavities, shoulders, pits, etc. (See Figure #1).



Figure 1

6.0 Application of Prembond Mastic

6.1 Apply Prembond Mastic to all sides of the column base to form a generous fillet from the vertical column steel to the concrete apron of the plinth at an angle sufficient enough to move water and other liquid contaminants away from the column base up stand. (See Figure #2 & #3).



Figure 2



Figure 3

7.0 Application of Prembond Hi-Tack Tape

7.1 Apply one layer of the Prembond Hi-Tack Tape to the body of the fitting, ensuring that there is no air entrapped beneath the tape. The Premier Coatings Petrolatum Tape should be wide enough to cover the entire fitting and overlap onto the barrel of the pipe by no less than 2 inches. If you are required to join the Premier Coatings

Petrolatum Tape ensure that there is an overlap no less than 2 inches between the strips. The Premier Coatings Petrolatum Tape should be applied in such a manner that it produces a weatherboard type overlap at its ends. Use a 4 or 6-inch-wide Prembond Hi-Tack Tape roll to "lock" the barrel coating in. (See Figure #4 & #5)



Figure 4



Figure 5

8.0 Application of Premier D14 Scrim & Premier Basecoat

8.1 Component A (Grey Powder) is slowly added to Component B (White Liquid) whilst being thoroughly mix using a Wooden Mixing Stick or slow speed drill jiffy mixer. Keep mixing the solution until all the powder has been added and the mixture takes on a smooth slurry texture. The basecoat should be re-mixed every 10-15 minutes to ensure that there is no settling out or separation between the two components.

8.2 Apply a liberal coat of Premier Basecoat by brush to the Prembond Hi-Tack Tape, allow a short drying time of 1 hour for the Premier Basecoat to take on a clear/copper appearance. (See Figure #6)

(cont →)



Figure 6

- 8.3 The Premier D14 Scrim sections are “dipped” into the mixed solution of Premier Basecoat, fully saturated in their trimmed states and applied over the Prebond Hi-Tack Tape and pressed flat to relieve any trapped air pockets. (See Figure #7).



Figure7

- 8.4 The Premier D14 Scrim is further protected and reinforced by additional liberal amounts of Premier Basecoat. Allow the Premier Basecoat to cure for a further 12 hours before applying Archco 15.

9.0 Application of Archco 15

- 9.1 Archco 15 shall be applied in two coats consisting of approximately 10 to 12 mils (254 - 305 microns) wet-film thickness per coat. Recoat time is approximately 1 to 2 hours at 77°F (25°C). (See Figure #8)



Figure 8



HOUSTON:
9710 Telge Road,
Houston, Texas,
U.S.A. 77095
Tel: 1-281-821-3355
Fax: 1-281-821-0304

TORONTO:
90 Ironside Crescent,
Unit 12, Toronto,
Ontario, Canada M1X1M3
Tel: 1-416-291-3435
Fax: 1-416-291-0898

e-mail: info@premiercoatings.com

www.premiercoatings.com

A Member of Winn & Coales International