

**PART E**  
**SPECIFICATIONS**

## PART E - SPECIFICATIONS

### GENERAL

#### E1. GENERAL

E1.1 These Specifications shall apply to the Work.

#### E2. GOODS

E2.1 The Contractor shall supply and deliver a penetrating concrete sealer in accordance with the requirements hereinafter specified.

E2.2 The penetrating concrete sealer shall be a penetrating type silane-sealing compound conforming to NCHRP Report 244 for water absorption.

E2.3 Further to NCHRP Report 244, the penetrating concrete sealer shall provide a minimum of seventy-five (75 %) percent reduction in water absorption after surface abrasion.

E2.4 In addition, the penetrating concrete sealer shall conform to the Alberta Transportation, Technical Standards Branch, Specification for Concrete Sealers B388-July 01.

E2.5 The penetrating concrete sealer shall be listed on the most current Alberta Transportation Approved Products for Sealers Used on Concrete Bridge Elements List under Type 1b performance requirements with application rates less than 255 mL/m<sup>2</sup>.

E2.6 The penetrating concrete sealer shall be provided in steel drums of an approximate capacity of (200 to 205) litres per drum.

E2.7 The approved products are as follows:

	<b>Product Name</b>	<b>Manufacturer</b>
(a)	Baracade Silane 40 IPA	Tamms Industries
(b)	Bridge-Gard 80	Wacker Silicones Corporation/ Kryton International Inc.
(c)	Chem-Trete BSM 40H	Sivento Inc.
(d)	D.C. Silane 40%	SEI Group
(e)	Dry-Trete 40	DRE Industries Inc.
(f)	Hydrozo Silane 40	ChemRex Inc./Hydrozo
(g)	Masterseal SI 40 VOC	Chem Rex Inc./MBT
(h)	Neogard 70942	Neogard
(i)	Penetrating Sealer 40 VOC	ChemRex Inc./Sonneborn
(j)	Sealmaster 40%	Technical Barrier Systems Inc.
(k)	Sikagard SN-40	Sika Canada Inc./ Cappar Ltd.
(l)	Sikagard 71H	Sika Canada Inc./ Cappar Ltd.
(m)	Silane 40 VOC	ChemRex Inc./Hydrozo

#### E3. DELIVERY

E3.1 Goods shall be delivered on an "as required" basis during the term of the Contract, f.o.b. destination, freight prepaid, to:

Public Works Department  
City of Winnipeg Bridge Yard,  
Building H  
849 Ravelston Avenue West  
Winnipeg, MB

- E3.1.1 Goods shall be delivered within twenty (20) Calendar Days of the placing of an order, except where otherwise agreed at the time of ordering.
- E3.2 Goods shall be delivered between 8:00 a.m. and 4:00 p.m. on Business Days.
- E3.3 The Contractor shall off-load goods as directed at the delivery location.
- E3.4 The Contractor needs a means of off-loading the barrels from their delivery vehicle (i.e. hydraulic gate, forklift, crane arm or ramp).