# Project Name

GUIDE SPECIFICATION

PROTEC III: W.H.A.M.

SECTION 03 35 00

Concrete Finishing

Concrete Finishing

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Specifier Notes: This guide specification is written according to the Construction Specifications Canada (CSC) Master Format ’04. The section must be carefully reviewed and edited by the architect or engineer to meet the requirements of the project. Coordinate this section with other specification sections and the drawings.

Specifier Notes: PROTEC III: W.H.A.M. was specially formulated as a general purpose membrane forming cure, hardener and densifier.

PROTEC III: W.H.A.M. is ideal for curing, hardening and dust proofing exposed concrete floor slabs, beams, columns, etc.

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| 1 |  | **General** |
| 1.1 | .1 | SECTION INCLUDESSurface preparation.  |
|  | .2 | Application of clear, liquid membrane forming concrete cure and hardener. |

* 1. RELATED SECTIONS

Specifier Notes: Edit the list of related sections as required for the project. List other sections dealing with work directly related to this section.

.1 Section 03 00 00 - Cast-in-Place Concrete.

* 1. SUBMITTALS
		1. Comply with Section 01 33 00 - Submittal Procedures.
		2. Submit manufacturer's product data and application instructions.
	2. DELIVERY, STORAGE, AND HANDLING
1. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
2. Store materials in a clean, dry area in accordance with manufacturer's instructions.
3. Keep products from freezing.
4. Avoid direct contact with this product as it may cause mild to moderate irritation of the eyes and/or skin.
5. Protect materials during handling and application to prevent damage or contamination.

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| 1.5 |  | ENVIRONMENTAL REQUIREMENTS |
|  | .1.2 | Do not apply concrete curing aid and hardener when concrete temperature is below 2º C (35º F) or above 32º C (89º F).Do not apply to frozen concrete. |
| 2 |  | **Products** |
| 2.1 |  | MANUFACTURER |

.1 Cornerstone Coatings Global Inc.

 Suite 2000 125 9th Ave SE,

 Calgary, AB CANADA T2G 0P6

 Phone +1 (587) 355-2219 Fax +1 (587) 319-0510

 Email: Office@cornerstonecoatings.com Web: [www.cornerstonecoatings.com](http://www.cornerstonecoatings.com/)

* 1. MATERIALS
		1. Performance Based Specification:

.1 Concrete Cure and Hardener shall be a ready to use, water-base liquid, formulated with chemically reactive raw materials with a VOC content of less than 50 g/l.

.2 Concrete Cure and Hardeners shall meet ASTM C309.

* + 1. Proprietary Based Specification:

.1 Concrete Membrane Forming Cure and Hardener shall be Protec III: W.H.A.M.

 manufactured by Cornerstone Coatings Global Inc.

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| 2.3 |  | RELATED MATERIALS |
|  | .1 | Water: Potable water. |
| 3 |  | **Execution** |
| 3.1 |  | EXAMINATION |
|  | .1 | Examine surfaces to receive cure and hardener. Notify architect if surfaces are not acceptable. Do not begin application until unacceptable conditions have been corrected. |
| 3.2 |  | SURFACE PREPARATION |
|  | .1 | Protect adjacent surfaces not designated to receive treatment. |
|  | .2 | Ensure application equipment is clean and free of previously used materials. |
| 3.3 |  | APPLICATION |
|  | .1 | Apply Protec III: W.H.A.M. in accordance with manufacturer's instructions |
|  | .2 |  Do not dilute Protec III: W.H.A.M. |

 .3 Fresh Concrete

* + - 1. Apply Protec III W.H.A.M. once the final pass of the power trowel is completed.
			2. Apply one even coat with a pressure hand sprayer at a rate of approximately 400 ft2/gallon or (9.8 m2/litre)
			3. On colored concrete do not apply for 3 days.
			4. Do not allow material to puddle on the surface, use roller if required.

* 1. PROTECTION
		1. Keep heavy traffic off surface for 24 hours after application.
		2. Clean floor regularly in accordance with manufacturer's recommendation because water will accelerate the sealing and scrubbing will impart a shine.
		3. Clean up spills immediately and spot-treat stains with a good degreaser or oil emulsifier.
		4. Precautions and cleaning are the responsibility of the General Contractor until substantial completion.

END OF SECTION