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Utilize this section to specify a poured-in-place, self-levelling Portland cement-based floor underlayment.

Portland cement-based floor underlayments are self-leveling products used for filling and leveling interior floors. They must be placed over a concrete or plywood structural floor; they do not provide structure on their own. They are not suitable for exterior use and covered with finished flooring.

**SECTION 03 54 16 – HYDRAULIC CEMENT UNDERLAYMENT**

1. **GENERAL**
	1. SUBMITTALS
		1. Action Submittals:
			1. Product Data: Manufacturer’s descriptive data and product attributes for underlayment.
	2. QUALITY ASSURANCE
		1. Installer Qualifications: Firm specializing in work of this Section, with minimum [2] [\_\_] years’ experience.
2. **PRODUCTS**
	1. MANUFACTURERS
		1. Contract Documents are based on products by Koster America. [www.kosterusa.com](http://www.kosterusa.com)
		2. Substitutions: [Refer to Division 01. 00.] [Not permitted.]
	2. MATERIALS
		1. Floor Underlayment:
			1. Product: LevelStrong [SLU.] [High Strength SLU.]
			2. Description: Hydraulic cement based, crack-free, interior self-leveling type.
			3. Compressive strength: [5,500] [7,500] PSI at 28 days, tested to ASTM C109/C109M.
			4. Walkable: 3 to 4 hours
			5. Flooring Ready: 16 hours
	3. ACCESSORIES

A. Primer: Manufacturers recommended type.

\*\*\*\*OR\*\*\*\*

Select the below primer for newly poured concrete or existing slab on grade slabs to prevent substrate moisture from damaging flooring adhesives.

 A. Primer: Manufacturers moisture tolerant concrete primer meeting the following:

 1. Resistant to 100-percent RH, when tested to ASTM F2170.

 2. Maximum 0.05 perms, when tested to ASTM E96.

1. **EXECUTION**
	1. INSTALLATION
		1. Install underlayment in accordance with manufacturer's instructions.
		2. Place to [minimum depth required to achieve finish floor elevations indicated.] [[1/8] [1/4] [\_\_] thickness.]

 END OF SECTION