

Prodeq™ System Concrete Surface Profiles

Substrate preparation is essential for achieving a successful project and promoting adhesion of the Henry® Prodeq System. Refer to product specific technical data sheet (TDS) and other published Prodeq System Tech-Talk Bulletins to verify installation requirements. See product specific TDS for substrate qualification/preparation and application rates.

Concrete Surface Profiles (CSP)

Concrete surface profiles as defined by the International Concrete Repair Institute (ICRI) are categorized into 10 surface texture classifications: Concrete Surface Profiles (CSP) - CSP 1-10. Classifications are based on average distance from concrete peaks and valleys; CSP 1 indicating the smoothest surface and CSP 10 the roughest. For optimal adhesion, install Prodeq System onto concrete surface profiles ranging between CSP 3 - CSP 4, as defined by the ICRI Technical Guidelines number 310-2R-2013, and shown below. Henry estimated application rates refer to surface profiles ICRI CSP 3-4; substrates greater than CSP 4 may require an increased application rate of primer and/or waterproofing membrane.



CSP 1



CSP 2



CSP 3



CSP 4



CSP 5



CSP 6



CSP 7



CSP 8



CSP 9



CSP 10

Concrete surface preparation for Concrete Surface Profiles CSP 1 and CSP 2

Concrete surface profiles categorized as CSP 1 or CSP 2 are too smooth and may compromise adhesion. Refer to ICRI Technical Guidelines number 310-2R-2013 for substrate specific surface preparation methods. Commonly recognized industry surface preparation methods include, but are not limited to, the following:

Industry recognized substrate preparation methods	
Substrate preparation	Authorized method for Prodeq System
Acid etching	✗ Do not acid etch.
Grinding	✓ Authorized in accordance with ICRI guidelines.
Low-pressure water cleaning and/or detergent scrubbing	✗ Do not wet substrate
Needle scaling	✓ Authorized in accordance with ICRI guidelines.
Shot blast	✓ Authorized in accordance with ICRI guidelines.

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