



Specification for CCS™ xxx (fill in product name)

The specification prescribed below is designed for the use of architects, engineers and other specifiers in defining the necessary requirements for epoxy products applied by specialized concrete repair contractors. This specification describes a two-component ambient-cure epoxy adhesive (grout, coating, etc) for such applications as (fill in applications). CCS (fill in product name) manufactured by ChemCo Systems, Inc. meets the requirements of this specification.

1.0 Scope This specification defines a two-component epoxy adhesive for use in _____ applications and applicable to the following substrates: _____.

2.0 Properties of the Two-Component Adhesive

2.1 Part A - Shall be a modified epoxy resin

		<u>Test Method</u>	<u>Specification Requirement</u>
2.1.1	Color	Visual	
2.1.2	Viscosity @ 73 +/-4 °F, cP	ASTM D 2393	

2.2 Part B - Shall be a modified amine curing agent

2.2.1	Color	Visual	
2.2.2	Viscosity @ 73 +/- 4 °F, cP	ASTM D 2393	

3.0 The properties of the uncured adhesive when mixed in the ratio specified below, shall be

3.1	Volume Mix Ratio (ml), Parts A/B	Volumetric	
3.2	Weight Mix Ratio (g), Parts A/B	Gravimetric	
3.3	Color, mixed	Visual	
3.4	Gel Time, minutes	ASTM C 881	

4.0 Properties of the adhesive when cured for 7 days @ 73 +/- 4 F and tested at that temperature

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4.1	Tensile Strength, psi	ASTM D 638
4.2	Elongation at Break, %	ASTM D 638
4.3	Compressive Strength, psi	ASTM D 695
4.4	Compressive Modulus, psi	ASTM D 695
4.5	Heat Deflection Temperature, °F	ASTM D 648
4.6	Wet Slant Shear Strength, psi (Cure @ 40 °F for 7 Days)	AASHTO T 237

5.0 The adhesive specified herein shall be manufactured in accordance with ChemCo Systems, Inc. quality control standards.

- 5.1 Test Requirements - All test shall be conducted using the test methods of Sections 2.1, 2.2, 3.0 and 4.0.
- 5.1.1 Quality Control Tests - Properties described in Paragraphs 2.1.2, 2.2.2, 3.4.
- 5.2 Certification and Test Report - Upon request ChemCo Systems, Inc. shall certify that each batch of material supplied to this specification meets or exceeds all of the requirements of Section 2.0, 3.0 and 4.0.

6.0 Labeling, Packaging, Storage

- 6.1 Label Information - The label shall include in a clear and distinct manner the following information.
 - 6.1.1 Product Name, Lot Number and Date of Manufacture
 - 6.1.2 HMIS Hazard Classification.
 - 6.1.3 Mix Ratio by Volume.
 - 6.1.4 Special handling or mixing instructions, if any.
- 6.2 Packaging - The product shall be packaged in new, sealed containers. Each container shall be properly labeled. Part A containers should be clearly distinguishable from Part B containers with color-coded labels.
- 6.3 Storage - The containers of the product shall be stored at ambient temperatures below 100 °F and above 40 °F. Product that was stored outside these temperature limits shall be retested at the user's expense prior to use to reestablish its compliance with this specification.