The following specification text has been prepared by Solid Solution Products to assist design professionals in the preparation of a specification section covering concrete floor repair.

Utilize these paragraphs to insert text into Specification Section 09 01 63 – Concrete Floor Restoration or similarly titled section governing this work.

The following should be noted in using this document:

> Optional text requiring a selection by the user is enclosed within brackets and as red text, e.g.: AColor: [Red.] [Black.]"
>
> Items requiring user input are enclosed within brackets and as red text, e.g.: "[2] [__] years."

For assistance on the use of the products in this section, contact Solid Solution Products by calling 844-439-7687 or visit their website at www.ssppolymers.com.

PART 1 – GENERAL

SUBMITTALS

Action Submittals:
- Product Data: Manufacturer's descriptive data and product attributes.
- Samples: [Selection samples.] [Verification samples.]

QUALITY ASSURANCE

Retain the following to specify minimum experience of installer.

Installer Qualifications: Minimum [2] [__] years' experience in work of this Section.

Retain the following for a full-scale mockup at the project site.

Mockup: Minimum [4 x 4] [__ x __] feet, illustrating each restoration material and procedure.

PART 2 – PRODUCTS

MATERIALS

Retain the following for a grouting and patching compound for repair of spalls, cracks, and joints and resurfacing of decorative and polished concrete. This product can be combined with Hydrocrete powder and aggregates for a high-strength repair material.

Grouting and Patching Compound:
- Source: SPEC-UVR Aliphatic Grout and Patching Polymer by Solid Solution Products, www.ssppolymers.com [or approved substitute].
- Description: Self-priming, rapid-setting, moisture tolerant, ultraviolet color stable translucent polymer.
- Hardness: Shore D 65, tested to ASTM D2240.
- Elongation: 7 percent, tested to ASTM D412.
- Compressive strength: Minimum 5000 PSI with aggregate, tested to ASTM D412.
- Tensile strength: 3000 PSI, tested to ASTM D412.
- Bond strength: 1900 PSI, tested to ASTM D882.
- Color: [Non-pigmented.] [Gray.] [Tan.] [Beige.] [Grizzle Gray.] [Dark Gray.] [Black.] [White.]

Retain the following for a quick-reacting, ultralow viscosity polymer for high strength concrete repairs. This product is non-pigmented to allow for pigmenting to match existing concrete. It can be used neat or combined with

Hydrocrete powder or aggregates.

Concrete Repair Polymer:
Source: Cam-O-Patch by Solid Solution Products, www.ssppolymers.com [or approved substitute].
Description: Self-priming, quick reacting, non-pigmented polymer.
Hardness: Shore D 70, tested to ASTM D2240.
Elongation: 7 percent, tested to ASTM D412.
Compressive strength: Minimum 5000 PSI with aggregate, tested to ASTM D412.
Tensile strength:4480 PSI filled, tested to ASTM D412.
Bond strength: 1900 PSI, tested to ASTM D882.
Color: [Non-pigmented.] [Gray.] [Tan.] [Beige.] [Grizzle Gray.] [Dark Gray.] [Black.] [White.]

Retain the following for a quick-reacting, ultralow viscosity polymer for high strength concrete repairs. This product can be used neat or combined with aggregates.

Concrete Repair Polymer:
Source: SSP-500 by Solid Solution Products, www.ssppolymers.com [or approved substitute].
Description: Quick reacting, low viscosity polymer.
Hardness: Shore D 70, tested to ASTM D2240.
Elongation: 7 percent, tested to ASTM D412.
Compressive strength: Minimum 5000 PSI with aggregate, tested to ASTM D412.
Tensile strength:4480 PSI filled, tested to ASTM D412.
Bond strength: 1900 PSI, tested to ASTM D882.
Color: Gray.

Retain the following for a self-priming, ultralow viscosity polymer for high strength concrete repairs. This product can be used neat or combined with Hydrocrete powder or aggregates.

Concrete Repair Polymer:
Source: SSP-500 by Solid Solution Products, www.ssppolymers.com [or approved substitute].
Description: Quick reacting, low viscosity polymer.
Hardness: Shore D 70, tested to ASTM D2240.
Elongation: 7 percent, tested to ASTM D412.
Compressive strength: Minimum 5000 PSI with aggregate, tested to ASTM D412.
Tensile strength:4480 PSI filled, tested to ASTM D412.
Bond strength: 1900 PSI, tested to ASTM D882.
Color: Gray.

PART 3 – EXECUTION

PREPARATION

Prepare surfaces to receive repairs in accordance with manufacturer's instructions.

APPLICATION

Apply materials in accordance with manufacturer's instructions.

Finish patches and repairs flush with adjacent surfaces.

Close areas to traffic until repairs have cured.