RES 300S
SMART™ Stucco Procedure
Procedure for Patching Cracked Stucco

Introduction
Prior to repairing cracks, a root cause analysis is needed to determine the cause of cracking, otherwise repairs may not be effective. In some cases, stucco installation deficiencies can be corrected. Where underlying substrate conditions or structural movement cause cracks to form, a more extensive repair may be needed.

This procedure can be used for painted stucco or stucco with a textured acrylic finish.

Once a decision has been made to repair stucco cracks, four repair options are available. For hairline cracks, recoating as described in SMART Stucco Procedure RES 200S can be performed.

Larger, non-moving cracks can be repaired by patching the crack as described below, or by filling it with BASF MASTERPROTECT FL 746 or 748 acrylic patching compound and recoating as described in SMART Stucco Procedure RES 301S. For widespread cracking, complete building resurfacing, as described in SMART Stucco Procedure RES 500S is recommended.

Equipment
- Appropriate personal protective equipment
- Stainless steel trowel and margin trowel
- Plastic float
- Drill and paddle mixer

Materials
- BASF SURFACE STABILIZER WB
- BASF SENERLASTIC or Senergy SENERFLEX textured finish
- Senergy ALPHA or ALPHA DRY Base Coat
- BASF DIAMONDSHIELD reinforcing mesh
- Masking tape
- Clean pails

Procedure
1. Identify areas that will be resurfaced. For aesthetic reasons, resurfacing should be terminated at an architectural break in the wall such as a reveal, change in plane or change in elevation. Doing this minimizes the contrast between resurfaced areas and adjacent finishes.
2. Thoroughly clean all surfaces that will be coated, and allow to dry.
3. Inspect all sealant joints and repair as needed.
4. Protect areas that are not intended to be resurfaced and may come in contact with base coat or finish.
5. Apply BASF SURFACE STABILIZER WB to existing paint or acrylic finish that shows evidence of chalking.
6. Perform bond testing to confirm base coat adhesion.
7. Apply Senergy ALPHA or ALPHA DRY Base Coat using a stainless steel trowel to a uniform 1/16” thickness. Embed BASF DIAMONDSHIELD directly into the wet base coat, troweling from the center outward. Overlap BASF DIAMONDSHIELD mesh at least 2.5-inches at mesh seams. Allow base coat to dry.
8. Apply BASF SENERLASTIC or Senergy SENERFLEX elastomeric finish using a stainless steel trowel to a thickness slightly greater than the largest aggregate in the finish. Scrape finish to a uniform thickness, then float the finish and allow to dry.

Technical Information
Consult the BASF Technical Services department for specific recommendations concerning all other applications. Consult the Senergy website, www.senergy.basf.com, for additional information about products and systems and for updated literature.
Technical Bulletin
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