

REX 9.1 STUCCO

Substrate Notes:

Stucco is often not initially painted. When painting a stucco surface not previously painted, the substrate should be treated as new and reference is made to Section 9.1 of the MPI Architectural Painting Specification Manual. After appropriate cleaning, fill all cracks with an appropriate caulking or filling compound and 'feather' the excess to blend with the surrounding surfaces.

DSD-0 Sound - Stucco Preparation

The **DSD-0** rating is used where a change in color, sheen, etc. is needed, or desired, but before any damage is done to the surface. This rating indicates "ideal" surface conditions, although **DSD-0** may include visual (aesthetic) defects that do not affect the film's protective properties. This condition requires very little preparation other than cleaning, although surface abrading may be necessary to promote adhesion.

DSD-1 Slightly Deteriorated Surface – Stucco Preparation

Identifiers	Severity	Surface Preparation
Alligatoring	None	N/A
Blistering	None	N/A
Cedar Stains	Minor Spots	MPI RSP-12
Checking	None	N/A
Cracking	None	N/A
Dirt/Dusts	Any	MPI RSP-1, -3, -4, -5, -13
Efflorescence	Slight (surface)	MPI RSP-8
Erosion/Chalking	Slight to Moderate	MPI RSP-1, -5, -13
Flaking/Peeling (1)	Slight	MPI RSP-1, -4, -5
Flaking/Peeling (2)	None	N/A
Mildew	Slight to Moderate	MPI RSP-9
Oils/Grease	Any	MPI RSP-1, -2, -3, -5, -13
Rust Stains	Slight (surface)	MPI RSP-1, -4, -12
Notes: (1) Flaking/peeling from the top coat through some or all coats. Primer remains intact. (2) Flaking/peeling down to the substrate. Primer <u>not</u> intact.		

The surface shall be dry, and all dirt, dust, efflorescence, loose paint and powdery residue shall be removed. Oil and grease can be removed by detergent cleaning (**MPI RSP-13**), followed by a rinse with clean water; solvent cleaning (**MPI RSP-2**) can be used as an alternative to **MPI RSP-13** on areas with a concentration of oil or grease. Areas showing mildew growth must be treated as outlined in **MPI RSP-9**. Rust stains shall be removed with an oxalic acid solution (**MPI RSP-12**). The surface must be completely dry before repainting (moisture content in, and on, the substrate shall not exceed 12%).

DSD-2 Moderately Deteriorated Surface – Stucco Preparation

Identifiers	Severity	Surface Preparation
Alligatoring	Slight	MPI RSP-1, -4, -6
Blistering	Slight	MPI RSP-1, -4, -5
Cedar Stains	Minor Spots	MPI RSP-12
Checking	Slight	MPI RSP-1, -4, -5
Cracking	Slight	MPI RSP-1, -4, -5
Dirt/Dusts	Any	MPI RSP-1, -3, -4, -5, -13
Efflorescence	Moderate	MPI RSP-8
Erosion/Chalking	Moderate	MPI RSP-1, -5, -13
Flaking/Peeling (1)	Moderate	MPI RSP-1, -4, -5
Flaking/Peeling (2)	Moderate	MPI RSP-1, -4, -5
Mildew	Moderate	MPI RSP-9
Oils/Grease	Any	MPI RSP-1, -2, -3, -5, -13
Rust Stains	Slight to Moderate	MPI RSP-1, -4, -12
Notes: (1) Flaking/peeling from the top coat through some or all coats. Primer remains intact. (2) Flaking/peeling down to the substrate. Primer <u>not</u> intact.		

Small cracks or holes less than 1/4 of an inch shall be filled with an appropriate exterior caulking compound and feathered, and shall be allowed to cure completely. Remove all dirt, loose and failing paint, oil, grease and any other foreign matter. Loose materials can be removed using pressure washing (**MPI RSP-5**), hand cleaning (**MPI RSP-1**) or power tool cleaning (**MPI RSP-4**). Oil and grease can be removed by detergent cleaning (**MPI RSP-13**), followed by a rinse with clean water; solvent cleaning (**MPI RSP-2**) can be used as an alternative to **MPI RSP-13** on areas with a concentration of oil or grease. Areas with mildew growth must be treated as outlined in **MPI RSP-9**. Rust stains shall be removed with an oxalic acid solution (**MPI RSP-12**). The surface must be completely dry before repainting (moisture content in, and on, the substrate shall not exceed 12%).

DSD-3

Severely Deteriorated Surface – Stucco Preparation

Identifiers	Severity	Surface Preparation
Alligatoring	Moderate to Severe	MPI RSP-1, -4, -5, -6
Blistering	Moderate to Severe	MPI RSP-1, -4, -5, -6, -7c
Cedar Stains	Moderate to Severe	MPI RSP-12
Checking	Moderate to Severe	MPI RSP-1, -4, -6, -7c
Cracking	Moderate to Severe	MPI RSP-1, -4, -6
Dirt/Dusts	Any	MPI RSP-1, -3, -4, -5, 13
Efflorescence	Heavy	MPI RSP-8
Erosion/Chalking	Moderate to Severe	MPI RSP-1, -5, -13
Flaking/Peeling (1)	Moderate to Severe	MPI RSP-1, -4, -5
Flaking/Peeling (2)	Moderate to Severe	MPI RSP-1, -4, -5, -6, -7c
Mildew	Moderate to Severe	MPI RSP-9
Oils/Grease	Any	MPI RSP-1, -2, -3, -5, -13
Rust Stains	Moderate to Severe	MPI RSP-1, -4, -12

Small cracks or holes less than 1/4 of an inch shall be filled with an appropriate exterior caulking compound and feathered, and shall be allowed to cure completely. Larger cracks or holes must be filled with a suitable filling compound and finished to match the surrounding surface. Remove all dirt, loose and failing paint, scale, powder, oil, grease and other foreign matter. Oil and grease can be removed by detergent cleaning (**MPI RSP-13**), followed by a rinse with clean water; solvent cleaning (**MPI RSP-2**) can be used as an alternative to **MPI RSP-13** on areas with a concentration of oil or grease. All loose and flaking paint must be removed by hand cleaning (**MPI RSP-1**), power tool cleaning (**MPI RSP-4**), pressure washing (**MPI RSP-5**), or abrasive blasting (**MPI RSP-7c**). All blisters must be removed from the surface, and the edges feathered. If a large amount of efflorescence is present, acid etching (**MPI RSP-10**) or mechanical removal may be required. Areas with mildew growth must be treated as outlined in **MPI RSP-9**. After any application of muriatic acid, the surface must be flushed with large amounts of clean water to remove residue, and allowed to dry thoroughly. The pH of the surface shall be tested, as specified in **1.2 pH Testing**, before the application of paint. Rust stains shall be removed with an oxalic acid solution (**MPI RSP-12**). After any preparation methods using water, the surface must be allowed to dry completely before painting (moisture content in, and on, the substrate shall not exceed 12%). During application and curing, conditions must be as outlined in **1.1 Environmental Conditions**.

DSD-4 Substrate Damage - Stucco

DSD-4 is the rating given to areas where damage to the substrate cannot be repaired with surface preparation and painting. In order to perform required structural, protective or aesthetic functions, these damaged areas require other repairs, or replacement. Repainting is only a temporary cosmetic remedy.