

## GENERAL INFORMATION

### SURFACE PREPARATION AND PAINTING

Mesker Door's™ recommended guidelines for preparation and painting of doors and frames.

Maintenance of Steel Doors and Frames should be done in accordance with SDI 124-98 "Maintenance of Standard Steel Doors and Frames.

Priming and painting of steel doors and frames should be done in accordance with SDI A250.8, sections 2.1.3, 2.1.4, and 2.1.5. We also recommend following ANSI A250 recommendations, including but not limited to A250.8 4.1 -4.6, and appendix "B" listed below

#### **A250.8-2003 "Recommended Specifications for Standard Steel Doors and Frames"**

Appendix B, General Considerations, Aesthetics

"The production of steel doors and frames relies on a variety of manufacturing processes including spot welding, projection welding, arc welding ground smooth, grinding, filling, etc. These processes may result in a show-through after application of finished paint. These characteristics are inherent in production and are not to be considered as manufacturing defects.

The show-through characteristics increase as the paint gloss increases. This standard recommends a maximum paint gloss rating of 20% reflectance, measured using a 60° gloss meter, which should be suitable for most applications. Translucent paints may emphasize show-through characteristics and their use is not recommended."

Mesker Door™ does not recommend the use of gloss paints. Sprayed on gloss paints are particularly difficult to use. If gloss paints are used, a considerable amount of cleaning, sanding and painting will be required and may still emphasize show through characteristics. Mesker Door™ does not recommend using black or dark colored paint on exterior doors, without allowing for additional expansion and contraction.

Mesker Door™ does not recommend the use of water based paints as final top coats. If water based paints are used as a finish coat, you should first prime the door or frame with a primer with rust inhibitors recommended by the paint manufacturer for bare steel. If the door is not primed in this way, all scratches and nicks that expose bare steel will develop rust. It is also extremely important to clean any and all metal particles that may be on the prime coat prior to painting. These may include small metal shavings from sanding or other jobsite operations and will cling to the door or frame with static electricity. These particles will show rust through the finish paint but are not rust of the actual frame or door.

