

# Technical Data Series

## Tech 101 Product Care



**The MPI Group, LLC**

319 North Hills Road, Corbin, Kentucky 40701

[www.metalproductsinc.com](http://www.metalproductsinc.com)

606-523-0461

[support@metalproductsinc.com](mailto:support@metalproductsinc.com)

### GENERAL:

MPI doors and frames are designed to meet the requirements of ANSI A250.8. Products receive a factory applied primer. The primer has been tested and certified to meet the passing criteria set forth in ANSI A250.10 Test Procedures and Acceptance Criteria for Prime Painted Steel Doors and Frames

### SURFACE PREPARATION:

In order to ensure proper prime painted adhesion, all MPI steel doors and frames are pretreated prior to the application of the prime paint. All exposed surfaces are thoroughly cleaned and phosphatized during the critical pretreatment process.

### PRIMERS:

After proper surface preparation, MPI doors and frames shall be finished with one coat of factory baked-on, rust inhibitive primer. The primer is applied to all visible/ exposed surfaces of the products in accordance with ANSI A250.10 Test Procedure and Acceptance Criteria for Prime Painted Steel Doors and Frames.

MPI primer test results are as follows:

Salt Spray	120 Hours
Humidity	240 Hours
Impact	Passed
Adhesion	Passed

### FIELD PROCEDURES:

The high grade baked-on prime paint furnished on MPI doors and frames provides high quality protection against corrosion and abrasion. It provides an excellent base for finish paint applications. The primer itself is not finish paint and requires finish painting in the field. All surface damage must be repaired and reprimed with a compatible rust inhibitive primer prior to applying the finish paint. All surfaces must be thoroughly cleaned prior to finish painting.

Application of finish paint shall be in accordance with the paint manufacturer's recommendations. Curing times vary with the type of paint used and are influenced by atmospheric conditions. Avoid using lacquer thinner or other solvents as they may have an adverse reaction upon the primer. Some types of finish paint require re-priming of all previously primed surfaces.

### STORAGE:

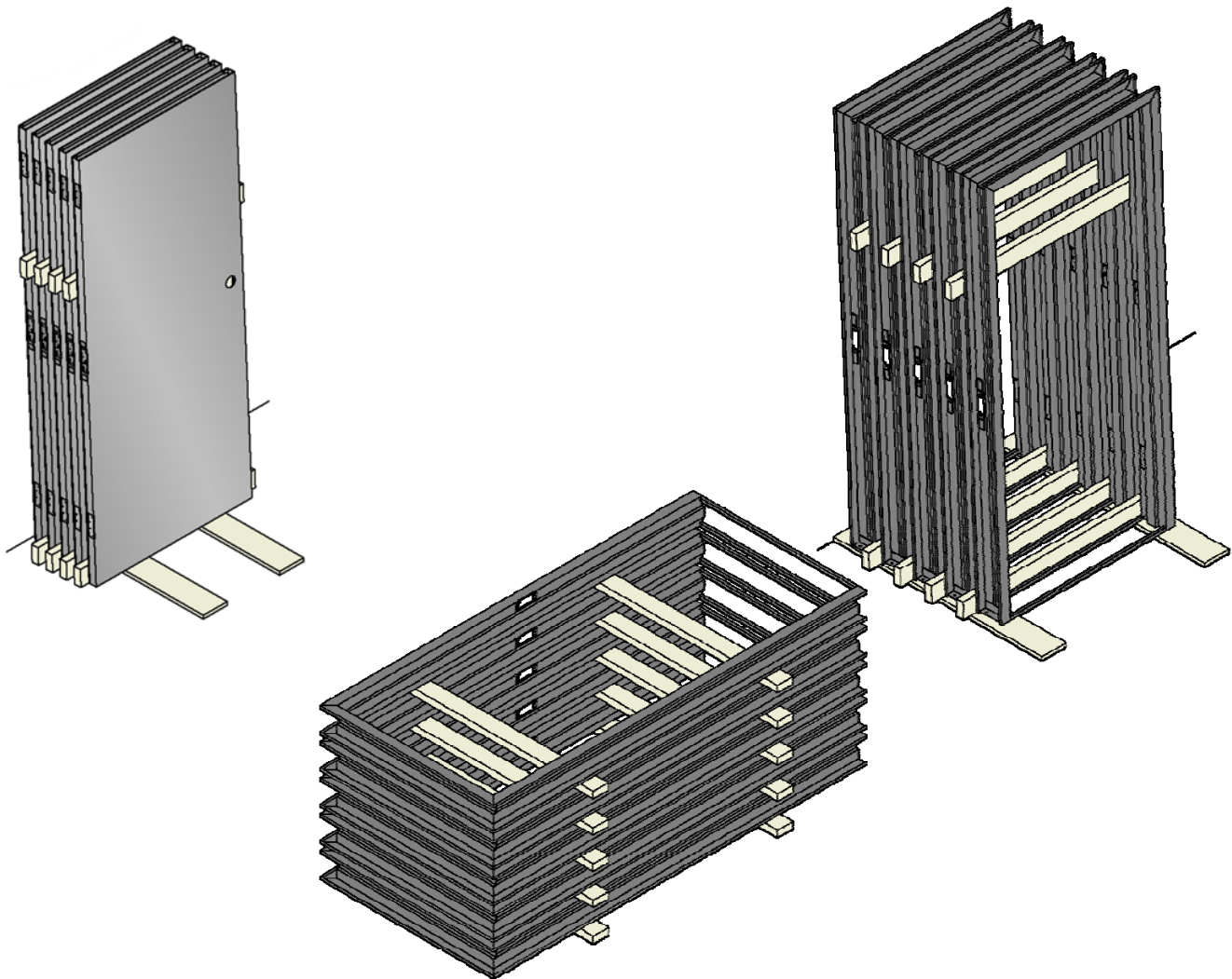
Proper storage and handling procedures are essential in ensuring that factory primed surfaces are ready to receive finish paint. Upon receipt at the jobsite or storage facility, all doors and frames must be thoroughly inspected. When present, wrapping material is to be removed. Abrasions or scratches received during shipping and handling are to be sanded, cleaned and repainted with a rust inhibitive primer.

Material must be stored on planks or dunnage in a dry location. Doors and frames shall be stored in a vertical position and spaced by blocking. See MPI technical publication Sheet No. 101 for additional information. If material is covered during storage, ample air circulation must be provided between units.

NOTE: Paint manufacturers advise that primed doors and frames should receive a finish coat of paint within 30 days of delivery. Surfaces must be sanded, cleaned and touched up prior to finish painting.\*

Failure to follow the instructions and procedures herein may create conditions that will permit deterioration of the shop primer, resulting in corrosion of the steel.

\*Reference HMMA 840 GUIDE SPECIFICATION FOR INSTALLATION AND STORAGE OF HOLLOW METAL DOORS AND FRAMES.



## STORAGE INSTRUCTIONS

Any wraps or covers shall be removed from doors and frames upon receipt at the jobsite or storage facility. Any scratches or abrasions received during shipping and handling are to be promptly cleaned and repainted with a rust inhibitive primer.

All material must be stored on planks or dunnage in a dry location. Doors shall be stored in a vertical position with blocking and frames shall be stored with blocking as shown in the diagrams.

If material is covered during storage, ample air circulation must be provided between units. Failure to follow these instructions may result in deterioration of the shop primer resulting in corrosion of the steel. See MPI technical publication Sheet No: 102 for additional information.