

Forming Equipment Inspection

Purpose:

The purpose of the following procedure is to create a tool that will assist contractors in identifying areas that need to be inspected on some of the different forming products to ensure that there are no defects or damages that would affect the structural integrity of the product. If you have a condition not covered in this procedure, it is best to contact the equipment manufacturer with specific questions for specific cases. If there are questions about the extent of damages to products or for ‘authorized’ modifications, do not guess! Call the product manufacturer.

Definitions:

Excessive Rust/Corrosion – Condition in which the material is deeply pitted or flaking.

Foreign Materials – When more than 50% of the original finish, or the original painted finish, is obscured by foreign materials, such as concrete, or missing due to rust or scraping action, this condition shall be termed excessive.

Visibly Straight – Place the part were placed with both ends touching a straight surface and the maximum deviation from that straight surface is 1/8” or less in 6’, (1/16” in 3’ etc.) the part is considered visibly straight.

Procedure:

Any damaged equipment identified must be removed from use or potential use immediately and physically placed at a location separate from stock equipment to ensure that no damaged equipment is accidentally used.

Panels and Wood Fillers

a) Overall Appearance

- Surface finish must be free from excessive foreign material
- Frame must be visibly straight
- Panel or filler should display a lightly oiled appearance
- Free from any unauthorized modifications
- All welds must be completely intact, free from any voids, or cracks

This Technical Bulletin was prepared by members of the Scaffold & Access Industry Association SSFI Committee.

SSFI is a committee comprising manufacturers of shoring, scaffolding, forming, and suspended scaffolding. The committee focuses on engineering and safety aspects of scope products.

This bulletin does not purport to be all-inclusive nor to supplant or replace other additional safety and precautionary measures to cover usual or unusual conditions. If this bulletin conflicts in any way with a state, local, federal, or other government statute or regulation, said statute or regulation shall supersede this bulletin and it shall be the responsibility of each user to comply therewith. This bulletin has been developed as an aid to users of various types of scaffolding equipment. The Scaffold & Access Industry Association or their SSFI Committee members are not responsible for the use of this bulletin.

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b) Frame

- Check to ensure that all dado slots/holes are free from obstruction
- Check to ensure that there are no burn holes in the side or end rails
- All cross members and corner braces must be present and intact
- Handles must be present (if original configuration included handles)

c) Form Face

- Plywood must be securely fastened to the frame
- Face must be free from drilled holes, burn holes, large gouges, and chipped or missing corners. (Smaller holes and gouges are repairable. Replace entire form face if holes and gouges exceed manufacturers recommended repairable hole/gouge size.)
- Ensure that any form face replacement material meets manufacturers' specifications.

Fillers**a) Overall Appearance**

- Surface finish must be free from excessive foreign material
- Filler must be free from any unauthorized modifications (welded repairs, etc.)
- Filler must display a lightly oiled appearance
- Filler must be visibly straight

b) Operability

- Check to ensure that all dado slots/holes are free from obstruction
- Check to ensure that there are no burn holes in the side or end rails
- Check to ensure that side rails are not bent or dented

Accessories

- Surface finish must be free from excessive foreign material
- Components must be visibly straight
- All parts must be free from any unauthorized modifications
- All welds must be completely intact, free from any voids, or cracks
- All telescoping parts must be free from obstruction and telescope smoothly
- All brace foot plates must be in place and free to rotate
- All adjusting screws must be free from obstruction and in good condition
- All required hardware must be present and in good working condition (i.e. pins, clips, nuts & bolts...)
- All threaded members must turn freely

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