

# PANEL INSPECTION CRITERIA

## SURFACE CRITERIA

**SUBSTRATE CRACKING:** Failure of the wood substrate exposing internal unprotected wood through a break in the surface. Not to be confused with cracks or checks in protective coatings.

10 = No cracking

6 = Small, intermittent cracking

2 = Large or repeated cracking

**WARP OR DISTORTION:** A variation from true or plane surface of any component after its construction and final preparation for exposure. Includes bow, crook, twist, or combination thereof.

10 = No warp or distortion

6 = Slight warp or distortion

2 = Gross occurrence of warpage or distortion

**ROT:** The decomposition of wood substance caused by fungi in an advanced state, recognizable by wood that has become punky, soft and spongy, stringy, ringshanked, pitted, or crumbly.

Decided discoloration or bleaching of the wood is often apparent.

10 = No apparent rot

6 = Slight rot

2 = Gross occurrence of rot

**LOOSE KNOT:** A knot that is no longer held firmly in place by growth or position and that cannot be relied upon to remain in place.

10 = No loosening

6 = Slight loosening

2 = gross loosening or disappearance

**PAINT CRACKING:** Breaks of the film that usually extend through to the surface where previously applied coating or the substrate is visible.

10 = No evidence of cracking

8 = Checking of surface which do not penetrate to previously applied coating or substrate. (See pictorial standard)

6 = Cracking present where lower surface present. (See pictorial standard)

2 = Severe cracking present. (See pictorial standard)

**DISCOLORATION:** The uniform or spotty darkening of the protective or decorative coating from causes other than mildew.

10 = No apparent discoloration.

6 = Slight discoloration.

2 = Gross discoloration.

**FLAKING:** Detachment of film fragments, either from the previously applied coating or the substrate. Generally preceded by cracking or blistering.

10 = No flaking present.

6 = Slight flaking. (See pictorial standard)

2 = Severe flaking present. (see pictorial standard)

**MILDEW:** Fungus growth that can cause discoloration and ultimate decomposition of a coating's binding medium. Wiping with dilute bleach solution distinguishes between dirt and the common staining of mildew.

10 = No mildew present

6 = Spotty disfigurement present. (See pictorial standards).

2 = Severe disfigurement present. (See pictorial standard ).

## **JOINT CRITERIA**

**JOINT SEPARATION:** The movement of adjoining parts away from each other with a resultant gap in the junction.

10 = No separation.

6 = Slight separation (less than or equal to .0625")

2 = Gross separation (greater than .0625")

**SEALANT SEPARATION:** The movement of the sealant and substrate away from each other with a resultant gap. May be caused by joint separation.

10 = No separation.

6 = Slight separation (less than or equal to .0625")

2 = Gross separation (greater than .0625")

**PAINT FAILURE (JOINT):** A failure and resultant crack in the paint that covers the joint or sealant in the joint caused by movement of the material under the paint.

10 = No paint failure.

6 = Slight cracking in the paint.

2 = Wider cracking, flaking, or missing paint.