

DSS-A.02.03 | Assembly / Internal Conditions

Contamination Inclusions (foreign matter within laminated interlayer)

Assembly / internal condition - typically CAT-5 by location; out of in-place scope

Diagnosis summary

Discrete foreign particles/fibers/particulates encapsulated within the laminated interlayer between glass plies (e.g., dust, fabric lint, granules, hairline fibers). These are laminate-internal features-not on an exposed worked face-and are therefore not addressable in place; classification is location/condition-driven. Product/spec context for laminated glass: ASTM C1172 and ISO 12543 (normative in VIS).

Field identification cues

- Location / access (primary):
- Confirm laminate-internal location. On forms, record product family (laminated) and surface numbering (#1-#4; laminate-internal). Do not re-number laminate-internal faces as IGU faces.
- Surface-catch class (MSRT):
- SC-0 (none) on exposed face(s). MSRT is single, non-marring and used only to support classification-not acceptance. Do not abrade.

Classification, severity and scope

- CAT-5 - Out of in-place scope when inclusions are laminate-internal (not on an exposed worked surface). Document and refer per project protocol (fabricator/manufacturer/warranty).

Distinguishing criteria

- vs. Face-side residues/overspray (R-family): Face films respond to Non-Invasive Reveal; true inclusions do not.
- vs. Stones/knots in float (P.02.03): Factory solid inclusions in the glass mass (processing feature); encapsulated and SC-0 on the face.
- vs. Bubbles/stringers (A.02.02): Gas voids without foreign matter; contamination inclusions show solid particulate/fiber boundaries.

Documentation and inspection

- Photo set (VIS): 12 / 36 / 72 in, normal + oblique, raking; include a back-lit close-up (when safe) to show inclusion boundary; ensure reveal completed is noted.
- Forms: Pane ID; product family & surface numbering (#1-#4; laminate-internal); worked surface Y/N; functional coating present on worked surface?
- Optional measurements: Approximate particle size (mm), count per area, distance from edge; note temperature/RH at time of inspection. (Use VIS form notes.)

Safety / repairability boundary: Complete only the non-invasive reveal and inspection steps authorized by the controlling VIS guidance. Classification does not authorize restoration, establish acceptance, or override stop-work, coating, crack, integrity, access, chemical, fall-protection, or project-specific requirements.

Full DSS publication: use the catalog download. Web specification:

<https://a7df714357.nxcli.io/learning-center/resource-center/damage-specification-standards/dss-a-02-03-contamination-inclusions-foreign-matter-within-laminated-interlayer/>