

DSS-P.04.02 | Processing / Manufacturing Features

Laminated Interlayer Pattern / Print (design)

Specialty / decorative system - reference; generally not "damage"

Diagnosis summary

Laminated glass can incorporate printed, patterned, or decorative interlayers (e.g., ceramic-ink prints on film, colored/gradient PVB/ionoplast, fabric meshes). These visuals reside within the laminate between plies and are intentional design attributes, not worked-surface defects on the exposed face.

Field identification cues

- Surface-catch class (MSRT):
- On the exposed face, the print is encapsulated; record SC-0 (none) with one light, non-marring pass per VIS §5.5 (supports classification only; do not abrade). Prefer a polymer stylus or visual-only on suspected coated faces.
- Visual signature:
- Design-true edges and artwork seen through the ply; no worked transition ring on the exposed face; no chip flanks/pits typical of mechanical or hot-particle damage.

Classification, severity and scope

- Design/processing feature - not surface damage.
- Escalate when:
- A local worked region exists on the exposed face (visible transition edge/ring, directional patterning, chip flanks/pits) → classify under M-/Ch- families by morphology and assign CAT per VIS.
- The cue is between panes or within the laminate (i.e., laminate-internal cue) such that it's inaccessible → CAT-5 by location/condition; document and refer per project protocol.

Distinguishing criteria

- vs. Interlayer defects (A.02 family): Bubbles/stringers/edge haze are defect morphologies within the laminate (not design prints) and may trigger CAT-5 by inaccessibility.
- vs.
- vs. Paint/film overspray (R.02/R.01): Overspray/adhesive films are on the exposed face and can change with reveal; printed interlayers do not change after cleaning.

Documentation and inspection

- Photo set (VIS): 12 / 36 / 72 in, normal + oblique, include raking macros showing artwork through the ply with no face-side perimeter, plus context frames confirming pattern.
- MSRT result: Record SC class on the exposed face (one pass, non-marring). Use polymer stylus or visual-only near coatings.
- Forms: Pane ID; surface numbering; worked surface Y/N; functional coating on worked surface? (Y/N/Unknown); geometry checklist; photos attached.

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-p-04-02-laminated-interlayer-pattern-print-design/>