

DSS-M.05.03 | Mechanical Abrasion, Scoring, Impact & Cracking

Wash-Line Scratch Bands

Fabrication Debris / factory wash handling lines

Diagnosis summary

Parallel, height-consistent bands of linear surface scoring produced when particulates or trapped fines are carried across the lite by factory washing/handling equipment prior to or after heat-treating. Bands typically align perpendicular to glass travel and traverse significant widths of the face. Classification is appearance-based under VIS inspection conditions; acceptance is governed separately by VIS-A.

Field identification cues

- MSRT (Manual Surface-Relief Test) class - one light, non-marring pass only:
- SC-1 (slight) for shallow band sets;
- SC-2 (clear) where chip flanks are present on stronger lines. Numeric depth is not required for classification; prioritize MSRT class + morphology.
- Visual signature - multiple, co-planar lines forming a belt; some lines show clean edges, others exhibit micro-chipping/chip flanks under raking light. (Use VIS §5 lighting/geometry.)

Classification, severity and scope

- (Informative micrometer ranges are for context; classification does not require measurement.)

Distinguishing criteria

- vs. Long FD scratch field (M.05.02) - fields may wander; wash-line bands are elevation-consistent, often repeating across lites. (M.05 indexing.)
- vs. Conveyor/belt line scoring (M.01.04) - M.01.04 typically produces one or a few straight, travel-aligned tracks; wash-line bands present as stacked belts of lines at a set height.
- vs. Squeegee burn lines (M.02.05) - squeegee burns are friction films (haze) with SC-0 to SC-1 and no chip flanks; wash-line bands show line relief and may present chip flanks.

Documentation and inspection

- Photo set (VIS): 12/36/72 in; normal + oblique; include raking.
- MSRT result: Record SC-class (SC-1 / SC-2). Single non-marring pass; on suspected coated faces, prefer polymer stylus.
- Forms/Logs: Pane ID; surface numbering; worked surface Y/N; functional coating present on worked surface? (Y/N/Unknown); reveal status; lighting/time; geometry checklist.

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-m-05-03-wash-line-scratch-bands/>