



Technical Data

Tru-Steel HD® from Steel Dynamics® is a digitally printed steel product comprised of galvanized or Galvalume® coated steel sheet with a multi-layer paint system, printed ink layer, and solvent-free UV and scratch protective clearcoat.

This technical data sheet outlines testing practices and results for both quality assurance certifications and general safety certifications. If you have further questions, please contact tru.steel@steeldynamics.com

Test Results

Standard	Purpose	Equipment/Method	Specifications/Results
ASTM-D523	Gloss Level	Gloss Meter	10-20 Points at 60°
ASTM-D5402	Clearcoat Resistance	MEK Rub Machine*	No Alteration to Film
ASTM-D3359	Coating Adhesion	Tape Test (Cross-Cut)	5B (No Peeling)
ASTM-D4145	Coating Adhesion	Brake Press	2t min. Bend Radius
ASTM-D2794	Coating Deformation	Impact Tester/Tape Test	No Peeling
ASTM-D3363	Surface Hardness	Pencil Test	F min.
ASTM-D8331/ D8331M-20	Clearcoat Thickness	Specmetrix	Proprietary
ASTM-D5796-24	Clearcoat Thickness	DJH Drill	Proprietary
ASTM-D1729/D4086	Print Color/Quality	Light Booth†	Subjective
ASTM-E84	Fire Resistance	3rd Party Tunnel Furnace	Class A‡
ASTM-E2768	Fire Resistance	3rd Party Tunnel Furnace	Pass
ASTM-D6578 A	Graffiti Resistance	6 Marking Agents§	All Fully Cleaned

* 100 double rubs.

†D65 "Daylight" lighting at head level, 4-5 ft. from flat steel sample.

‡Flame Spread Index (FSI) results = 0; Smoke Developed Index (SDI) results = 5.

§Marking agents used: red acrylic spray paint, red alkyd spray paint, black crayon, black water-based marker, black ballpoint ink pen, blue solvent-based marker. All fully cleaned with no significant impact to topcoat.



The technical data contained herein is for informational purposes only and does not constitute in any form a guarantee, explicit or implicit for the product performance.