



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CROSS TECHNOLOGIES, INC dba CROSS (FORMERLY J.A. KING)
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MECHANICAL

Valid To: October 31, 2022

Certificate Number: 1741.16

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following environmental, mechanical, and non-destructive tests:

Test

Test Method(s)

Airbag Deployment Testing (Environmental)¹
(-40 to 95) °C

BMW PR 7 007 983, QS 72013;
Daimler A002 005 04 99;
VW PV 3546, 3545;
Tesla TM 2550

Temperature & Humidity Cycling (Environmental)¹
(-73 to 190) °C
(10 to 95) % RH

BMW PR 292, 303.5, 308.2;
Ford FLTM BQ 104-7: Method 2;
GMW 14124 Cycles: H, M, N, P,
& S;
DIN 53497;
VW TL 527;
PV 1200; 2005A;
Daimler DBL 5471;
Tesla TP 0000706

Sun Simulation¹
(-70 to 174) °C
(10 to 95) % RH

BMW PR 306.5;
DIN 75220;
MIL-STD-810G

Xenon Arc (UV Fluorescent)¹
(Irradiance: 0.25 W/m² to 0.68 W/m²)
(Up to 90 °C black standard)
(UVA -340)

ASTM D2565 Cycle 1, 5071
Cycle 1 & 2;
ASTM G151, 155 Cycle 1;
DIN EN ISO 4892-1, 4892-2
Table B.2

Test

Salt Fog¹
(25 to 60) °C

CASS¹
(25 to 70) °C

Condensing Humidity¹
(100 % Relative Humidity)

Vibration¹:
(5 to 2000) Hz
112 g
Stroke 3 inch
8 000 lbf
(-73 to 163) °C
(10 to 95) % RH

Tensile, Compression, & Elongation at Break with Extensometer¹
0.45 N to 100 kN

Flexural Strength¹
0.45 N to 100 kN

Flammability Horizontal

Impact Resistance

Color

Test Method(s)

ASTM B117;
DIN EN ISO 9227;
MIL-STD-810G Method 509.5

ASTM B368;
DIN EN ISO 9227

DIN EN ISO 6270-2;
ASTM D2247

BMW PR 309

ASTM E8/E8M, A370, B557,
D638;
DIN 53357;
DIN EN 895, 10002-5, 1464,
28510-1;
DIN EN ISO 527-1, 527-3, 844;

DIN EN ISO 178;
ASTM D790

FMVSS 302;
49 CFR 571.302;
GMW 3232;
BMW GS97038;
DIN 75200;
VW TL1010;
VW PV 3357;
Daimler DBL 5307;
GB 8410;
VOLVO VCS 5013,19;
VOLVO STD 104-0001;
TOYOTA BS DM 0500

DIN EN ISO 6272-1

C.I.E. L*A*B*;
SAE J1545;
ASTM D2244, E1349, E1331;
DIN 5033-4, 53236;
DIN EN ISO 11664-4

Test**Test Method**

Colorfastness¹
(D65, CWF/F2, Hor)

DIN EN 20105-A02

Gloss¹
(20/60/85)°

ASTM D523;
DIN EN ISO 2813

Surface Energy¹
(36 to 53) mN/m

DIN 53364;
DIN ISO 8296;
ASTM D2578

Cross Hatch/Adhesion¹
(1 to 100) %

ASTM D3359;
BMW GS 97051;
DIN EN ISO 2409

Density

DIN EN ISO 845, 1183-1;
ASTM D792

Occupancy Testing

49 CFR 571.208 (S19 & S20)

Stability and Shrinkage

BMW PR 292

Odor

VDA 270;
BMW PR 292

Cleaning Test/Resistance to Media/Chemical Resistance

BMW PR 292

Photogrammetry

Measurement per customer spec.

¹ This laboratory also uses customer supplied specifications and/or methods directly related to the types of tests and within the parameters listed above.



Accredited Laboratory

A2LA has accredited

CROSS TECHNOLOGIES, INC DBA CROSS (FORMERLY J.A. KING)

Greenville, SC

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 23rd day of November 2020.

A blue ink signature of the Vice President, Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1741.16
Valid to October 31, 2022
Revised May 11, 2021

For the test to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.