

**INTERNATIONAL FIREPROOF TECHNOLOGY INC.**  
 17528 Von Karman Avenue  
 Irvine, CA 92614

**RE: SUMMARY OF QAI LABORATORIES INC. TESTING OF DC5040 Products**

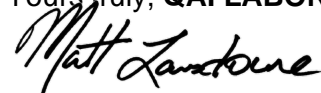
QAI Laboratories Inc., Tulsa, OK (QAI) site, an International Accreditation Service, Inc. (IAS) accredited third-party testing laboratory, has evaluated International Fireproof Technology Inc. DC5040 coating products as outlined in Table 1 below.

Table 1. Summary of QAI Testing for IFTI on DC5040 Coating Products by QAI

REPORT NUMBER	DATE	STANDARD	RESULTS
TJ5943-1	January 8, 2019	ASTM E84-18b	DC5040 @ 8 wet film thickness (WFT) on OSB: Class A per ASTM E84.
TJ5943-2	January 8, 2019	ASTM E2768-11	DC5040 @ 14 WFT on Pine board: Class A per ASTM E84. Complies ASTM E2768.
TJ5943-3	January 8, 2019	ASTM E2768-11	DC5040 @ 14 WFT on OSB: Class A per ASTM E84. Complies ASTM E2768.
TJ5943-4	January 8, 2019	ASTM E84-18b	DC5040 @ 6 WFT on Cement Board: Class A per ASTM E84.
TJ6129-1	April 11, 2019	ASTM E84-18b	DC5040 @ 4 WFT thickness on OSB: Class B per ASTM E84.
TJ6129-2	April 11, 2019	ASTM E84-18b	DC5040 @ 6 WFT thickness on OSB: Class A per ASTM E84.
TJ6783-2	January 15, 2020	ASTM E119-16a CAN/ULC S101-14	Each wall face, 5/8" Type X gypsum wallboard compliant with ASTM C1396, installed over 2" x 6" SPF #2 studs @ 24" on center spacing to double top plate, single sill plate. Gypsum anchored with #6 1-1/2" length fine thread drywall screws at 8" oc around perimeter and 12" oc in the field. Joints tapped and mudded. Each gypsum face coated with 60 WFT DC360. Met 1 hour temperature rise on reduced sample size.
TJ6783-3	January 15, 2020	ASTM E119-16a CAN/ULC S101-14	Each wall face, 1/2" gypsum wallboard compliant with ASTM C1396, installed over 2" x 6" SPF #2 studs @ 24" on center spacing to double top plate, single sill plate. Gypsum anchored with #6 1-1/2" length fine thread drywall screws at 8" oc around perimeter and 12" oc in the field. Joints tapped and mudded. Each gypsum face coated with 50 WFT DC360. Met 45 minute temperature rise on reduced sample size.
TJ6783-6	January 15, 2020	ASTM E119-16a CAN/ULC S101-14	Wood floor joists with plywood subfloor, and gypsum. Sheathing is 2-layers tongue and groove plywood of 3/4" thickness oriented perpendicular to joists, glued and anchored with 2" ring shank nails at 6" oc around perimeter and 12" oc in the field at joist locations. Lumber is 2"x10" SPF Grade #2 spaced at 24" oc. Interior finish of 5/8" Type X ASTM C1396 compliant gypsum anchored with #6 1-5/8" length coarse thread drywall screws at 7" oc around perimeter and 12" oc in the field at joist locations with joints taped and mudded. Surface of gypsum (fire exposed) coated with 40 wet mils uniform thickness of DC5040. Met 1.5 hour temperature rise on unloaded floor / ceiling reduced sample size.

TJ6783-7	January 15, 2020	ASTM E119-16a CAN/ULC S101-14	Wood floor joists with plywood subfloor, and gypsum. Sheathing is 2-layers tongue and groove plywood of 3/4" thickness oriented perpendicular to joists, glued and anchored with 2" ring shank nails at 6" oc around perimeter and 12" oc in the field at joist locations. Lumber is 2"x10" SPF Grade #2 spaced at 24" oc. Interior finish of 5/8" Type X ASTM C1396 compliant gypsum anchored with #6 1-5/8" length coarse thread drywall screws at 7" oc around perimeter and 12" oc in the field at joist locations. Surface of gypsum (fire exposed) coated with 40 wet mils uniform thickness of DC5040. Met 1.5 hour temperature rise on unloaded floor / ceiling reduced sample size.
TJ6783-9	January 15, 2020	ASTM E119-16a CAN/ULC S101-14	Wood floor joists with plywood subfloor, and gypsum. Sheathing is 2-layers tongue and groove plywood of 3/4" thickness oriented perpendicular to joists, glued and anchored with 2" ring shank nails at 6" oc around perimeter and 12" oc in the field at joist locations. Lumber is 2"x10" SPF Grade #2 spaced at 24" oc. Interior finish of 1/2" ASTM C1396 compliant gypsum anchored with #6 1-1/4" length coarse thread drywall screws at 7" oc around perimeter and 12" oc in the field at joist locations. Surface of gypsum (fire exposed) coated with 50 wet mils uniform thickness of DC5040. Met 1 hour temperature rise on unloaded floor / ceiling reduced sample size.
TJ7160-1B	February 8, 2021	CAN/ULC S102-10	DC5040 @ 6 WFT on Pine Board: FSI = 5 SDI = 95 per CAN/ULC S102
TJ7160-2B	February 8, 2021	ASTM E2768-11	DC 5040 @ 10 WFT on Pine Board: Class A per ASTM E84. Complies ASTM E2768.
TJ7162-2	March 30, 2021	ASTM E119-20	Wood framed gypsum wall with interior gypsum. Non-fire side face is 1 layer 1/2" gypsum board complying with ASTM C1396, anchored with #6 1-1/4" length coarse thread drywall screws spaced 7" oc around the perimeter, and 12" oc in the field along stud locations. Studs are 2"x6" Douglas-fir Grade #2 spaced at 24" oc. Interior finish of 1/2" ASTM C1396 compliant gypsum anchored with #6 1-1/4" length coarse thread drywall screws at 7" oc around perimeter and 12" oc in the field at stud locations, with joints taped and mudded. Each gypsum face is coated with 60 wet mils uniform thickness of DC5040. Met 1 hour temperature rise on reduced sample size.
TJ7162-3	July 8, 2021	ASTM E119-20	Wood framed gypsum wall with interior gypsum. Non-fire side face is 1 layer 1/2" gypsum board complying with ASTM C1396, anchored with #6 1-1/4" length coarse thread drywall screws spaced 7" oc around the perimeter and in the field along stud locations. Studs are 2"x6" Douglas-fir Grade #2 spaced at 24" oc. Interior finish of 1/2" ASTM C1396 compliant gypsum anchored with #6 1-1/4" length coarse thread drywall screws at 7" oc around perimeter and in the field at stud locations, with joints taped and mudded. Each gypsum face is coated with 60 wet mils uniform thickness of DC5040. Met 1 hour temperature rise on reduced sample size.

Yours truly, **QAI LABORATORIES LTD.**



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