

Fire Kontrol™ Testing and Evaluation to the IBC®, NFPA 80 and NEC®

Fire Kontrol Horizontal Sliding Fire Door Assemblies as manufactured by The Cookson Company, Inc. have been tested for compliance to the 2009 International Building Code – Section 1008.1.4.3 and the performance requirements of NFPA 80 – Chapter 9 and evaluated for electrical installation compliance per the National Electric Code. A summary of the test and its findings are as follows:

International Accreditation Service (IAS) Testing Laboratory: Intertek Testing Services NA Inc., 8431 Murphy Drive, Middleton, WI 53562. As a third party IAS testing laboratory, Intertek (TL-271) complies with the International Code Council Evaluation Service’s Acceptance Criteria for Quality Documentation per ICC-ES AC10.

Report Number: 3184178MID-001 issued August 31, 2009

Test Summary:

A 25’ wide x 8’ high (200 sq. ft.) Fire Kontrol Horizontal Sliding Fire Door assembly, “S” rated for smoke control and up to 3 Hours of fire protection, was fully installed in accordance with actual opening conditions that included approved header and floor construction, a jamb striker and an approved pocket assembly to demonstrate operational requirements as per typical field installations. The door and operating system was designed, built and provided according to Cookson’s current manufacturing procedures.

The door and operating system was verified for proper listing and labeling requirements according to Underwriters Laboratories (UL) test standards per Cookson’s UL procedure. The control system construction was verified for compliance to the requirements for electrical installations as per the NEC.

Results:

Cookson’s Fire Kontrol Horizontal Sliding Fire Door assembly met or exceeded the performance requirements of the 2009 IBC – Section 1008.1.4.3 Horizontal Sliding Doors and 2007 NFPA 80 - Chapter 9 Special Purpose Horizontally Sliding Accordion or Folding Doors. The control system construction is compliant with the requirements for electrical installations per the NEC.

A comprehensive 27 page test report including a test specimen description, listing verifications, results, observations and all test data is available upon request by contacting Cookson by phone at 800-294-4358 or by email at marketing@cooksondoor.com.

Fire Kontrol™ Horizontal Sliding Fire Door Testing and Evaluation Results

Summary of an IAS Third Party Testing Laboratory to the Performance Requirements of the IBC® and NFPA 80

TEST RESULTS SUMMARY

2009 IBC 1008.1.4.3 Test Results for Fire Kontrol Horizontal Sliding Door		
Test Item	Requirement	Test Result
#1	Door shall be power operated and manually operable in the event of power failure.	Comply
#2	Door shall be openable from both sides without special knowledge or effort.	Comply
#3	Manual operating force – 30 lb. max. to set the door in motion, 15 lb max. to maintain motion.	Passed
#4	Lateral load test – door shall have a 15 lb. max. operating force with 250 lb. lateral load.	Passed
#5	Applicable ratings and installation in compliance with NFPA 80.	Comply
#6	Battery operational tests, integrated standby power supply.	Passed
#7	Electrically supervised power supply (battery monitoring duration upon loss of power).	Comply
#8	Minimum 88" opening distance within 10 sec. of operation.	Passed

2007 NFPA 80 Test Results for Fire Kontrol Horizontal Sliding Door		
Section	Requirement	Test Result
9.4.1.1 & 9.4.2.1	Only labeled power operators listed for use with the door shall be used.	Comply
9.4.1.2	Automatic closing speed shall not have a delay of more than 10 seconds.	Passed
9.4.1.3	Automatic closing speed shall be between 6 to 24 inches per second	Comply
9.4.2.2	If closing is achieved by power operation, standby or emergency power shall be provided	Comply
9.4.2.2.1	Time delay to emergency power from normal power failure shall not exceed 10 seconds	Passed
9.4.2.2.3	The emergency power source shall be capacity to operate a min. of 50 open/close cycles	Passed
9.4.2.3	Power operation shall not occur if temperature on either side of door reach 500 degrees F	Comply

A comprehensive 27 page test report as provided and signed off by the IAS Third Party Testing Laboratory is available in its entirety upon request. Please contact Cookson by phone at 800-294-4358 or email marketing@cooksondoor.com to request a copy.