

## FIRE DOOR LISTING PROGRAM

Customer: BASF SE  
Class: Fire Door Cores  
Location: Frankenthal, Germany  
Listing No. F411-3  
Project No. F411-3 Edition 1  
Effective Date: June 5, 2014  
Last Revised: April 21, 2016  
Expires: N/A

Standards:	CAN/ULC-S104	<i>Standard Method for Fire Tests of Door Assemblies</i>
	UL10 (b)	<i>Fire Tests of Doors Assemblies</i>
	UL10 (c)	<i>Fire Tests of Doors Assemblies</i>
	NFPA-252	<i>Standard Methods of Fire Tests of Door Assemblies</i>
	UBC-7-2	<i>Uniform Building Code</i>
	UBC-7-2	<i>Uniform Building Code</i>
	ASTM E2074	<i>Standard Test Method for Fire Tests of Door Assemblies, Including Positive Pressure Testing of Side-Hinged and Pivoted Swinging Door Assemblies</i>

Product: Intumescent cores used in fire door products.

Markings: Each container of the subject product, as delivered to the customer, is suitably marked using Permanent label stock with permanent adhesive with the following:

1. QAI logo with 'c' and 'us' indicator
2. Manufacturers name or trademark
3. City and state of manufacture
4. Model/Listing number or product description
5. QAI file number (F411-3)
6. Traceability Information: date of manufacture or serial number

### **Marking Method:**

Permanent label stock fastened with pins or permanent adhesive.

Models / Ratings: **Core Models:**

Core Model:	No. of Plies	Core Thickness:
Palusol SW 2	3	3/16" (0.1875")
Palusol SW 3	3	9/32" (0.2813")
Palusol SW 20-1	3	5/16" (0.3125")
Palusol SW 45-1	6	5/8" (0.6250")
Palusol SW 60-1	7	5/8" (0.6250")
Palusol SWR 90-1	7	5/8" (0.6250")
Palusol SWR 90-2	11	7/8" (0.8750")

### Limitations

For use in fire doors and frames listed under BASF and/or other manufacturers. Refer to BASF Fire Door Listings - F411-1 and BASF Fire Door Frame Listings - F411-2 for core usage limitations. Refer to other manufacturers listings for details on core usage limitations in slabs and frames.

Notes: *Refer to QAI evaluation report F411-3 and the applicable test reports for test assembly configurations used for fire endurance testing.*

*Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction (AHJ).*

*Product is to be installed in accordance with the manufacturer's published installation instructions by qualified installing personnel.*

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