



classification FRS, which signifies a flame-spread and smoke developed rating of 25 or less. When tested for 30 minutes, there was no evidence of significant progressive combustion. Each piece of treated material bears a UL classification stamp and meets or exceeds requirements for Class 1 or Class A flamespread ratings.

**5. Installation**

**PREPARATORY WORK**

Handle and store product per CSI recommendations. Protect wood products against moisture and dimensional changes.

**METHODS**

Light sanding or brushing is all that is necessary to ensure proper coating adhesion. Complete installation recommendations are available from the manufacturer.

**PRECAUTIONS**

Avoid frequent or prolonged inhalation of sawdust from treated wood. When sawing and machining treated wood, wear a dust mask. When power sawing or machining, wear goggles to protect eyes from flying particles. Surfaces must be clean and dry before application. For best results, application should follow manufacturer's recommendations.

**BUILDING CODES**

Current data on building code requirements and product compliance may be obtained from CSI technical support specialists. Installation must comply with the requirements of all applicable local, state and national code jurisdictions.

**6 Availability & Cost**

**AVAILABILITY**

For information on product availability or to identify a local wood preserver, contact



D-Blaze<sup>a</sup> Fire Retardant Pressure Treated Wood Logo

Chemical Specialties, Inc.

**COST**

Offers a lower in-place cost than most non-combustible classified building materials. Budget installed cost information may be obtained through the manufacturer.

**7. Warranty**

Features a 50 year limited warranty. Refer to D-Blaze 50 year limited warranty brochure or consult manufacturer for complete details.

**8. Maintenance**

No long-term maintenance is required other than to ensure protection from weather and other forms of moisture exposure. Installations which depend on application of approved



D-Blaze<sup>a</sup> Fire Retardant Pressure Treated Wood

paints or coatings for weather resistance must be periodically repainted to renew moisture protection.

**9. Technical Services**

A staff of factory trained service personnel offers design assistance and technical support. For technical assistance, contact Chemical Specialties, Inc.

**10. Filing Systems**

- First Source«
- Thomas Register
- The Blue Book
- ARCAT<sup>a</sup>
- MASTERSPEC«
- Additional product information is available from the manufacturer's website.

TABLE 1 D-BLAZE STRENGTH DESIGN FACTOR FOR LUMBER

	Applicable < 80°F (27°C)				Applicable < 150°F (66°C)	
	Southern Pine <sup>2</sup>	Douglas Fir <sup>2</sup>	Spruce <sup>2</sup>	Other Species <sup>1</sup>	Southern Pine	Other Species <sup>1</sup>
Compressive parallel, Fc	0.93	0.91	0.94	0.91	0.85	0.85
Horizontal shear	1.00	0.97	1.00	0.97	0.86	0.86
Tension parallel	0.77	0.91	0.96	0.77	0.65	0.65
Bending, modulus of elasticity, E	0.88	0.96	0.97	0.88	0.89	0.89
Bending, extreme fiber stress, Fb	0.85	0.87	0.90	0.85	0.79	0.79

<sup>1</sup> Species awarded "FRS" classification by Underwriters Laboratories, Inc. (UL), when tested with D-Blaze FRT chemicals are listed in TYPES in this SPEC-DATA.

<sup>2</sup> These design value adjustments were determined during a testing program conducted at the Mississippi State University Forest Products Utilization Laboratory. Tests were conducted in accordance with the National Forest Products Association Policy on design values for fire retardant treated lumber products.

TABLE 2 D-BLAZE PLYWOOD SPAN RATINGS

APA rating	Panel thickness in (mm)	D-Blaze rating
12/0	5/16 (7.9)	12/0
16/0	5/16 (7.9), 3/8 (9.5)	16/0
20/0	5/16 (7.9), 3/8 (9.5)	20/0
24/0	7/16 (11.1), 1/2 (12.7)	24/0
24/16	7/16 (11.1), 1/2 (12.7)	24/16
32/16	15/32 (11.9), 1/2 (12.7)	24/16
32/16	5/8 (15.9)	32/16
40/20	5/8 (15.9), 19/32 (15.1)	32/20
40/20	3/4 (19.1), 7/8 (22.2)	40/20
48/24	23/32 (18.3), 3/4 (19.1)	40/24
48/24	7/8 (22.2)	48/24

- For temperatures up to 170°F (77°C).
- 5/16" or 3/8" (7.9 or 9.5 mm) thicknesses not for roof applications. Use only plywood manufactured per PSI 83, Group 1, stress level 2 with exterior glue. Designed for 30 psf (146 kg/m<sup>2</sup>) live load plus 4.5 psf (22 kg/m<sup>2</sup>) dead load.