

Fireplace Surrounds

Z-2002-032

Zodiaq® Quartz Surfaces can be used as a surfacing material for fireplace surrounds. Fireplace surrounds must be designed and constructed in accordance with the provisions of the National Fire Protection Association publication *NFPA 211 Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*, as well as any applicable local building codes and standards. Zodiaq® should not be used where it can come into direct contact with the firebox or flames .

Note: DuPont does not provide a warranty for installation of Zodiaq® in commercial applications.

Note: Zodiaq® can be used for the hearth material in gas burning fireplaces, but should not be used as the hearth material in wood burning fireplaces.

NFPA 211 can be accessed on the Internet at: <http://www.nfpa.org>.

For installations where specific fire ratings are required, the following table lists the current flame spread, smoke developed, and flammability values that Zodiaq® possesses per ASTM E-84 and NFPA-255.

Property	Typical Result	Procedure
Flexural Strength	>5300 psi	ASTM D 790
Flexural Modulus	5.3 – 5.7 E6 psi	ASTM D 790
Flexural Elongation	>0.1 %	ASTM D 790
Colorfastness	Passes	ANSI Z124.6.5.1
Stain Resistance	Passes	ANSI Z124.6.5.2
Wear and Cleanability	Passes	ANSI Z124.6.5.3
Cigarette Resistance	Passes	ANSI Z124.6.5.4
Chemical Resistance	Passes	ANSI Z124.6.5.5
Flammability	Class I and Class A	ASTM E 84
Flame Spread	FSI =0 for 3 cm and 5 for 2 cm	& NFPA 255
Smoke Developed	SDI= 40 for 3 cm and 75 for 2 cm	
Nominal Thickness	2 and 3 cm	

Please refer to the Zodiaq® Spec Data Sheet for additional physical properties of Zodiaq® Quartz Surfaces.

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