

## FIREPLACE SURROUNDS

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, UL 723 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, UL 723 & NFPA 255
Flame Spread	FSI = <10 for 3 cm and <15 for 2 cm	ASTM E 84, UL 723 & NFPA 255
Smoke Developed	SDI = <50 for 3 cm and <100 for 2 cm	ASTM E 84, UL 723 & NFPA 255
Nominal Thickness	2 and 3 cm	

Please refer to the Zodiaq® Spec Data Sheet for additional physical properties of Zodiaq® quartz surfaces.