

TECHNICAL BULLETIN

QUENCH™ FRD

FLAME RETARDANT

PERFORMANCE FEATURES

- Durable flame retardant for cellulosic
- Non leaching

MARKET USES

- Paper
- Textile
- Non-wovens

Product Description

Quench™ FRD is a fully formulated water based coating product. Application of *Quench™ FRD* can be made on fibers composed entirely of natural cellulosic or synthetic materials. It is a durable Flame retardant coating developed to resist leaching of the coating after many soakings.

Handling / Storage Stability

Quench™ FRD should be stored between 20°C and 35°C to insure maximum shelf life. For best results, *Quench™ FRD* should be used within six months.

Typical Properties

% Solids	48.0±1.0
pH	6.5 to 7.5
Viscosity (cps)	8,000-10,000
Gallon Weight	8.65 lbs/gallon

Product Safety

When considering the use of **Ulterion International** products, please refer to the latest Material Safety Data Sheets (MSDS). If you require an MSDS for this product; please call (706) 654-2222 or your **Ulterion International Representative**.

Application Methods

Application can be accomplished by any of the normal finishing operations, such as padding, spraying, or foaming. For paper applications, the material can be applied by a size press. A Fabric or paper basis weight and construction will dictate the optimal level. *Quench™ FRD* requires temperature of approximately 250 °F to dry. This is also dependent on add-on and dwell time in the oven

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Initial Wt. Grams	Initial % FR	Wt. after each 2 hour soak			% FR after each 2 hour soak			NFPA 701-89	
		1 st	2 nd	3 rd	1 st	2 nd	3 rd	Char	After
3.52	15.5	3.52	----	----	15.5	----	----	3.125	0
3.47	15.5	----	3.47	----	----	15.5	----	3.25	
2.79	15.5	No soaking						3.25	0



Taking Solutions Farther™

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