

## Cem-FIL® Alkali-Resistant Glass Fiber

Cem-FIL® alkali-resistant (AR) glass fibers have created some of the world's most stunning architecture while offering strong and durable performance in widely varying cement and mortar-based applications including floorings, renders, top screeds, tunnels and utility poles.

### Cem-FIL® Alkali-Resistant Glass Fiber

PRODUCT REFERENCE	FORMAT	FILAMENT DIAMETER (µM)	ASPECT RATIO (L/D)	TEX	AVAILABLE LENGTHS (MM)	APPLICATION	PRODUCT BENEFITS / APPLICATION
Anti-Crak® W70	Monofilament	14	-	-	6, 12	Ready mix & precasted concrete	Avoids plastic shrinkage cracking
Anti-Crak® HD	Monofilament	14	-	-	6, 12, 18		Avoids plastic shrinkage cracking
Anti-Crak® HP 74/12	Filaments bundle	14	74/12	-	12		Crack prevention and containment / shrinkage and temperature cracking (secondary reinforcement)
Anti-Crak® HP 110/18	Filaments bundle	14	110/18	-	18		Crack prevention and containment / shrinkage and temperature cracking (secondary reinforcement)
Anti-Crak® HP 74/18	Filaments bundle	18	74/18	-	18		Crack prevention and containment / shrinkage and temperature cracking (secondary reinforcement)

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Anti-Crak® HP 67/36	Filaments bundle	20	67/36	-	36	Ready mix & precasted concrete	Welded wire mesh replacement / low ductility crack control (primary reinforcement in some cases)
Anti-Crak® HP Roving	Assembled roving	14	-	82(2500)	-		Crack prevention and containment / shrinkage and temperature cracking (secondary reinforcement)
Cem-FIL® 70	Monofilament	20	-	-	3, 6, 9, 12	Dry mix	Prevention of plastic shrinkage cracking
Anti-Crak® HD	Monofilament	14	-	-	3, 6, 12,		Prevention of plastic shrinkage cracking
Cem-FIL® 62	Filaments bundle	14	-	45, 82	6, 12		Crack prevention and containment (shrinkage and temperature cracking), impact resistance and flexural strength increase
Anti-Crak® HP 74/12	Filaments bundle	14	74/12	-	12		Crack prevention and containment (shrinkage and temperature cracking), impact resistance improvement
Cem-FIL® 60 45Tex	Filaments bundle	14	-	45	6, 12	GRC	High workability and good flexural strength for pre-mix and sprayed pre-mix GRC

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Cem-FIL® 60 82Tex	Filaments bundle	14	-	82	6, 12, 18	GRC	High workability and good flexural strength for pre-mix and sprayed pre-mix GRC
Cem-FIL® 60 135Tex	Filaments bundle	14	-	135	6, 9, 12, 18		High workability and good flexural strength for pre-mix and sprayed pre-mix GRC
Cem-FIL® 62 45Tex	Filaments bundle	14	-	45	6, 12, 18		Good workability and excellent flexural strength for pre-mix GRC
Cem-FIL® 62 82Tex	Filaments bundle	14	-	82	6, 12, 18, 36	GRC	Good workability and excellent flexural strength for pre-mix GRC
Cem-FIL® 61 82Tex	Assembled roving	14	-	82 (2500)	-		Good workability for pre-mix GRC, excellent chopability for spray GRC, excellent flexural strength
Cem-FIL® 54 38Tex	Assembled roving	14	-	38 (2450)	-	GRC	Good chopability and flexural strength for spray and industrial GRC
Cem-FIL® 54 76Tex	Assembled roving	14	-	76 (2450)	-		Good chopability and excellent flexural strength for spray GRC
Cem-MAT® M601	Chopped strands mat	14	-	120g/m <sup>2</sup>	-		Excellent impregnation with hydraulic mortars in industrial GRC

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Cem-FIL® 5325 320Tex	Direct roving	14	-	320	-	GRC and woven mesh	Good unwinding and high mechanical strength for weaving and filament winding
Cem-FIL® 5325 640Tex	Direct roving	14	-	640	-		Good unwinding and high mechanical strength for weaving & filament winding
Cem-FIL® 5325 1200Tex	Direct roving	19	-	1200	-		Good unwinding and high mechanical strength for weaving & filament winding
Cem-FIL® 5325 2400Tex	Direct roving	27	-	2400	-		Good unwinding and high mechanical strength for weaving & filament winding
ARcoteX® 5326 1200Tex	Direct roving	19	-	1200	-	FRP	Good unwinding and high mechanical strength for weaving, filament winding & pultrusion; good impregnation with UP, VE resins, especially indicated in highly corrosive environments
ARcoteX® 5326 2400Tex	Direct roving	27	-	2400	-		Good unwinding and high mechanical strength for weaving, filament winding & pultrusion; good impregnation with UP, VE resins, especially indicated in highly corrosive environments
ARcoteX® CSM M20I	Chopped strand mat	14	-	300, 450, 600 g/m <sup>2</sup>	-		Good impregnation with UP, VE resins; especially indicated in highly corrosive environments