

Buddy Rhodes™ AR Glass Fibers

Alkali Resistant Glass Fibers for Reinforcement and Strength



Product Overview

Buddy Rhodes Alkali Resistant (AR) Glass Fibers are bundled fibers that are designed specifically for use in concrete. They are manufactured from a specially formulated glass composition with an optimum level of Zirconia (ZrO_2) to be suitable for use in concrete. AR Glass Fibers are particularly suitable for Premix GFRC and other mortar and concrete reinforcement applications. They have high tensile strength and modulus, do not rust like steel, and are easily incorporated into concrete mixes. They are available in two lengths— $3/4$ " (19mm) and $1/2$ " (13mm). The $3/4$ " fibers are most commonly used in premix GFRC applications, but $1/2$ " can be used when a shorter fiber is desired.

All of our alkali resistant glass fiber products are manufactured in compliance with ASTM C1666/C 1666M, EN 15422 and under recommendations of PCI and GRCA.

AR Glass Fiber Features

- Enhances performance & durability
- Provides primary reinforcement
- High Tensile Strength
- Alkali resistant & non-corrosive

Using AR Glass Fiber

Typical Dosage: Typical load range: 3% by weight of the total mix, or 1.5-1.75 lb. (0.68-0.79 kg) per bag of Buddy Rhodes blended concrete mix.

Mixing: Blend the fibers into the concrete slurry later in the mixing process. While the bundles are designed to resist breaking down during mixing, care must be given not to overmix, which can filamentize or damage the fibers. Compared to monofilament fibers (PVA, AC50), bundled fibers are more likely to be visible in finished surfaces if precautions are not taken.

$3/4$ " Fiber Specifications

Fiber length: $3/4$ " (19 mm)

Fiber diameter: 18 microns

Material: Alkali Resistant Glass
200 filaments per bundle

Nominal tex (g/1000m): 138

Alkali Resistance: Excellent

Moisture Content: < 0.5%

Packaging: 1 lb (0.45 kg)
12 lb (5.44 kg)
44 lb (19.96 kg)

$1/2$ " Fiber Specifications

Fiber length: $1/2$ " (13 mm)

Fiber diameter: 18 microns

Material: Alkali Resistant Glass
200 filaments per bundle

Nominal tex (g/1000m): 138

Alkali Resistance: Excellent

Moisture Content: < 0.5%

Packaging: 44 lb (19.96 kg)



Download our Catalog of Concrete Products and Techniques available at:

www.buddyrhodes.com

Call us at: (877) 706-5303 or (610) 252-5800