



# 790C ENHANCED FIRE RESISTANCE AND STRENGTH

**790C wet use chopped strand (WUCS), featuring Advantex® glass fibers, is specifically designed for higher-feed rate processes in dry feed applications.**

- Patented Advantex® corrosion resistant E-CR by Owens Corning combines the excellent mechanical and electrical properties of traditional E-glass and E-CR glass.
- Boron-free Advantex® glass contributes to decreased emissions and reduces the environmental impact of manufacturing fiberglass.

## FOR GYPSUM WALLBOARD WET USE APPLICATIONS

### Product Benefits

#### Excellent Fire/Flexural Strength

- Engineered to provide fire resistance performance and meet regional building codes.
- Improves flexural strength of wallboards for ease of handling and installation.
- High strength characteristics to enhance abuse resistant wallboard systems.

#### Efficient Processing

- Designed to improve higher-feed rate processes where the uniform glass dosage rate and dispersion reduces feed flow variations and causes clumps.

#### Enhanced Glass Fiber Characteristics

- Advantex® glass helps fight corrosion, enhancing service life compared to standard E-glass.
- Boron-free Advantex® glass contributes to decreased emissions, reduces the environmental impact of manufacturing fiberglass, and provides superior performance in corrosive environments compared to standard E-glass.

### Applications

790C is designed to provide strength and durability for gypsum wallboard reinforcement, fireboards, and both standard and high strength impact boards.



## Mechanical Properties

PHYSICAL PROPERTY	ADVANTEK® GLASS	TRADITIONAL E-GLASS	MOISTURE CONTENT	% STRAND SOLIDS LEVEL	FIBER DIAMETER
Softening Point	916 °C	850 - 870 °C	5.3–8.3%	.14 - .22%	14.4–17.6µ

## Availability & Packaging

IMPERIAL CHOP LENGTH (INCHES)	METRIC CHOP LENGTH (MM)	MANUFACTURING REGIONS
1/4"	6	North America, Europe
1/2"	12	

The product is packaged and sealed to retain moisture in storage. Several packaging types are available including bulk bag (various weights to 1450 kg), bulk carton, or individual bags. Contact your Owens Corning sales representative for packaging to match your need.

Each package has a self-adhesive identification label showing the product description, net weight, and production date. Each pallet has at least two identification labels detailing the product reference, pallet net and gross weights, production date, and pallet production code.

## Labeling

The label will identify the material to be Advantex® glass fiber. All material is produced with equipment designed in imperial units (inches). The table above lists the imperial and metric units with label identification.

## Storage

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. For best performance, the product should be used within 6 months from the date of manufacture. Product should be used in a FIFO basis.



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