



THE FIBERGLASS GUTTER COMPANY

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Wood Replacement Gutters

# Professional Installation Instructions



## **Manufacturer's Assistance**

These instructions are intended for the Fiberglass Gutter System Installation.

### **For further assistance Please contact:**

The Fiberglass Gutter Company

722 Washington St

Pembroke, MA 02358

(781) 826-3711

## **Material Handling and Storage**

1. Inspect materials upon delivery. If damage is found, promptly advise both freight carrier and The Fiberglass Gutter Company. Note damage on carrier's receiving ticket.
2. Protect materials from surface cuts, impacts, and abrasions.
3. FRP materials cannot be reshaped by use of external force such as hammering or extreme bending.
4. To cut materials. Use a circular saw with an abrasive or fine-toothed blade. A dust mask is recommended.
5. While in storage, keep materials covered, off the ground high enough to allow for air circulation, and above standing water.
6. Do not stack or store other materials on top of unprotected units. Support products so that they cannot twist or distort.



## DISCLAIMER AND LIMITATION OF LIABILITY

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The products sold hereunder shall meet Seller's applicable specifications

at the time of shipment. Seller's specifications may be subject to change at any time without notice to Buyer.

Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the description and date of purchase) within thirty (30) days of the date of shipment of the product or prior to the expiration of the shipment's quality life, whichever occurs first. THE WARRANTY DESCRIBED HEREIN SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.

The Buyer's sole and exclusive remedy against Seller shall be for the replacement of the product or refund of the purchase price in the event that a defective condition of the product should be found to exist by Seller. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER. The sole purpose of this exclusive remedy shall be to provide Buyer with replacement of the product or refund of the purchase price of the product if any defect in material or workmanship is found to exist. This exclusive remedy shall not be deemed to have failed its essential purpose so long as

Seller is willing and able to replace the defective products or refund the purchase price.

## **COMPOSITES SAFETY INFORMATION-Please Read All Warnings**

**(August 2012)**

All sales of products manufactured by CCP Composites US (CCP), and described herein, are made solely on condition that CCP's customers comply with applicable health and safety laws, regulations and orders relating to the handling of our products in the workplace. Before using, read the following information, and both the product label, and Material Safety Data Sheet pertaining to each product. Most products contain styrene. Styrene can cause eye, skin and respiratory tract irritation. Avoid contact with eyes, skin and clothing. Impermeable gloves, safety eyewear and protective clothing should be worn during use to avoid skin and eye contact. Wash thoroughly after use. Styrene is a solvent and may be harmful if inhaled. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Extended

exposure to styrene at concentrations above the recommended exposure limits may cause central nervous system depression causing

dizziness, headaches or nausea and, if overexposure is continued indefinitely, loss of consciousness, liver and kidney damage. Do not ingest or breathe vapor, spray mists or dusts caused by applying, sanding, grinding and sawing products. Wear an appropriate NIOSH/MSHA approved and properly fitted respirator during application and use of these products until vapors, mists and dusts are exhausted, unless air monitoring demonstrates vapors, mists and dusts are

below applicable exposure limits. Follow respirator manufacturer's directions for respirator use.

The International Agency for Research on Cancer (IARC) reclassified styrene as Group 2B, "possibly carcinogenic to humans." This revised classification was not based on new health data relating to either humans or animals, but on a change in the IARC classification system. The Styrene Information and Research Center does not agree with the reclassification and published the following statement: Recently published studies tracing 50,000 workers exposed to

high occupational levels of styrene over a period of 45 years showed no association between styrene and cancer, no increase in cancer among styrene workers (as opposed to the average among all workers), and no increase in mortality related to styrene. Styrene is classified by OSHA and the Department of Transportation as a flammable liquid. Flammable products

should be kept away from heat, sparks, and flame. Lighting and other electrical systems in the work place should be vapor-proof and protected from breakage. Vapors from styrene may cause flash fire. Styrene vapors are heavier than air and may concentrate in the lower levels of molds and the work area. General clean air dilution or local exhaust ventilation should be provided in volume and pattern to keep vapors well below the lower explosion limit and all air contaminants (vapor, mists and dusts) below the current permissible exposure limits in the mixing, application, curing and repair areas. Some products may contain additional hazardous ingredients. To determine the hazardous ingredients present, their applicable exposure limits and other safety information, read the Material Safety Data Sheet for each product (identified by product number) before using. If unavailable, these can be obtained, free of charge, from your CCP

representative or from: CCP Composites US, P.O. Box 419389, Kansas City, MO 64141-6389; 816-391-6053.

**FIRST AID:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If affected by inhalation of vapors or spray mist, remove to fresh air. If swallowed, get medical attention. Those products have at least two components that must be mixed before use. Any mixture of components will have hazards of all components. Before opening the packages read all warning labels. Observe all precautions. Keep containers closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Emptied containers may retain hazardous residue. Do not cut, puncture or weld on or near these containers. Follow container label warnings until containers are thoroughly cleaned or destroyed.

**FOR INDUSTRIAL USE AND PROFESSIONAL APPLICATION ONLY. KEEP OUT OF REACH OF CHILDREN.**

## Step 1: Prep Fascia and Install Stand-Off Blocks



The thickness of your stand-off block is determined by the placement of the drip edge.

## Step 2: Cut the gutter to fit





### Step 3: Hang Gutter



### Note: Use Approved Fastener Only

There is no need to pre-drill holes.  
Fasteners are secured through back of  
the gutter, stand-off block, fascia and  
into the rafter tail






#### Step 4: Make sure gutter will flow correctly










The number and size of downspouts determines how fast your gutters will empty. Sloping them helps eliminate standing water that can cause corrosion and leak through the seams. Slope each gutter run down toward the downspout about 1/4 in. for every 10 ft. of gutter. If your fascia boards are level, you can use them as a reference for sloping the gutters. Check this by holding a level against the bottom edge. If they aren't level, adjust the string line until a level aligned with it shows a slight slope (Photo 9). Snap a chalk line to indicate the top of the gutter. Then straighten gutter sections as you screw them to the fascia by aligning the top edge with the chalk line



## Miter & Seam Installation

<p><b>Step 1:</b> Cut Miter to desired length and angle</p>	
<p><b>Step 2:</b> Sand inside of gutter for a distance of 3" from the cut until the surface is dull on both pieces you are joining</p>	
<p><b>Step 3:</b> Join the pieces together and fasten to wall. Use Super Glue to temporarily hold the two profiles together.</p>	
<p><b>Step 4:</b> Tape outside of seam with masking tape and use masking plastic to protect surrounding area</p>	
<p><b>Step 5:</b> Prepare Resin (Depending on temperature a mixture of 2% hardener by volume to resin is recommended at an average temperature of 70 degrees. For colder conditions the catalyst can be increased to a maximum of 3%.</p> <p>For temperatures under 50 degrees the use of an additional heat source is required. We recommend leaving the resin and catalyst in a temperate location prior to application and using a standard heat gun at the time of application.</p>	



<p><b>Step 6:</b> On a piece of cardboard or tray apply resin with brush to the fiberglass mat, then apply to the biaxial fiberglass. Put the biaxial fiberglass on top of mat (smooth side up).</p>			
<p><b>Step 7:</b> Bring Tray with wet resin to joint with the brush and wet out area.</p>			
<p><b>Step 8:</b> Lay pieces in gutter. Center pieces on seam for length of the interior of the gutter. Use brush to work any air out at joint. When fiberglass is sitting flat the seam is ready for curing.</p>			
<p><b>Step 9:</b> When the fiberglass reaches the consistency of cheese cut excess fiberglass with a utility knife.</p>			
<p><b>Step 10:</b> Remove masking tape and masking plastic.</p>			
<p><b>Step 11:</b> Prepare outside of joint by lightly sanding and cleaning with acetone on a rag</p>			
<p><b>Step 12:</b> Prepare putty by mixing it with 2% MEKP Catalyst. Use a scrap piece of cardboard and spreader to mix and apply to area needing filler. Remove Excess with Acetone.</p>			

## Step 6: Install Outlet



Any type of outlet  
can be installed  
with 5200

### Finish

The Fiberglass Gutter is protected by a gelcoat finish that requires no painting and limited maintenance. Clean this surface with mild soap and water. Stubborn stains and deposits may be removed with mineral spirits. DO NOT use abrasives. DO NOT scrape or use tools that might damage the surface. Use of inappropriate solvents or cleaning chemicals will cause adverse reactions with gutter materials and voids the Warranty.

Product modifications that are not approved by The Fiberglass Gutter Company will void the warranty.

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