

# **GB Construction Supplies**

## **Method Statement For The Installation For Pre-Fabricated Light Weight Chimneys.**

This Method Statement details steps to be taken before, and during, the installation of our Pre-fabricated Lightweight Chimneys.

### **Design**

Prior to installation the contractor should establish the weights of the chimneys that are to be fixed and pass the relevant information on to the truss manufacture.

Once the above is established, it is the responsibility of the contractor to confirm the suitability and load bearing capacity of the structure that the chimney will be secured to. Particular attention should be given to the spacing and capacity of the trusses or rafters and the specification of materials at the fixing points. Where chimneys are to be installed on other parts of the structure, the same checks should be carried out but with particular reference that ensure access is available for fixing the chimney correctly and securely.

### **Preparation & Installation**

In most cases all chimneys will arrive upright on a pallet un-pointed with M12 lifting eyes positioned to all 4 sides of the chimney which are usually below the corbel detail area. Care must be taken when off loading as not to damage any of the GRP fixing skirt or cap area. Under no circumstances should the chimneys be moved using the cap or pots.

The chimney can then be pointed either on the ground or when in position.

The area where the chimney is to be fitted should have at least 2-3 layers of roofing felt under prior to placement of the chimney. All lifting eyes, once removed, must be initially sealed with an external waterproof sealant then over pointed with relevant mortar.

### **Fixing**

The chimney has an extended GRP skirt which provides a greater flexibility of the positioning of the fixings, although the fixings should be as near to the actual chimney as possible.

The fixing skirt should be per-drilled with the correct diameter hole to suite the fixings (minimum Fixing M10 x 75mm Coach Screw with a 50mm plate/square washer or M12 coach screws) a minimum of 8 fixings per chimney. Do Not nail the batons over the skirt these must be pre-drilled and screw fixed.

Consideration should be taken to the thickness of the batons over the fixing skirt.

All fixing designs should be checked by the customer with the relevant Technical Department/Structural Engineer/ Roof Truss Designer and Manufacturer to ensure their suitability for the application.

Please Note when fitting a Gable End Style Chimney, the Gable End Side should be seated on a waterproof cork joint. This will allow for differential movement between the brickwork and roof truss

## **Installation**

The chimney should only be lifted using the lifting eyes which are installed within the chimney unit.

## **Flashing**

The lead should only be dressed in to the 12 x 25mm channel allowed on the chimney (If required due to design) a bed of natural curing lead mastic should be placed in to the channel before inserting the lead, the lead can then be fixed by the means of Borra clips and then finished off with a further seal of natural curing lead mastic. Further information can be obtained from the Lead Sheet Association if Required.

## **Television/Sky**

To Maintain the water proof encasement, a strap system should be used, at no time should any drilling take place to the stack.