



## Fusion Technology Custom Colored Glass Blocks

Dear Quality Glass Block Customers,

By now you may have heard of our new Fusion Technology and the creation of our custom color glass block and murals. We want to inform you that due to the nature of our fusion technology you are required to use special care and special mortar mix / grout or silicone depending on your application.

Below, you will see the proper requirements for installation in mortar, grout and silicone applications. **However, we do NOT recommend or suggest the use of mortar and prefer Silicone Application only due to the nature of this product.** Please note that in either application, **exterior acid washes are prohibited as well as tooling the joints with Brick Jointers**, due to compromising the outer shell in the fusion technology created.

### **Mortar Application:**

Most premixed mortar mixes have lime in the product. This is not an acceptable mix for this product. The only acceptable mix is a straight White Portland and Sand mix. No Hydrated Lime. The Calcium Hydroxide that is found in lime and other accelerators **CAN NOT** be mixed with our product since they all have calcium aluminates or calcium hydroxide in them.

The proper mix – 3 parts sand to 1.5 parts Portland Cement.

### **\*\*\*When using mortar this is important\*\*\***

We have done extensive testing on our color blocks and the Fusion Technology, and our findings prohibit the use of these following materials when installing:

- Metal or Plastic Brick Jointers
- Metal or Plastic Back Fillers

**DO NOT** tool the joints, for risk of compromising the exterior shell of the glass block. With this said the only acceptable non compromising tools to use are:

- Rubber Floats
- Sponge – for cleaning while mortar is still wet on the block
- Do NOT use Steel wool
- Do NOT let mortar harden on color



# Quality Glass Block & Window

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## **Silicone Application:**

If you are using our silicone installation application, we suggest that purchasing our silicone is best when applying to any custom colors or murals. No acidic based formulas are acceptable. Only neutral cure 100% silicone like the one we sell online is recommended.

## **Grout Application:**

If you are using our product with a grout application, do not use a grout that has lime pre-mixed in it. A lime free grout will be fine for this application, along with a rubber float.

## **Cleaning:**

Do not use any chemicals on the product. **Do not use steel wool** when cleaning this product. Only a wet cloth and sponge are allowed. **Remove wet mortar while still wet on block do NOT let it harden.**

All Fusion Technology Custom Colored Glass Blocks are warrantied for one year.

For further questions or concerns please contact us at 815.416.1007.

Thank you,  
The Quality Glass Block Team

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