

Diffuse glazing task group update at OPS Fall 2018

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New scope

- ◆ *Find a way to obtain spectral data for fritted glass in a manner that would allow WINDOW calculations of IGUs. Expand NFRC procedure in 100 and 200 for simulation and rating of diffuse glazing products. Determine best practice how to obtain data and verify the accuracy of these practices.*
- ◆ *Modernize the procedure for obscure glazing without removing the possibility of rating products that are currently rated using that procedure*

Main negative

- ◆ How does this impact the rating of obscure glazing?
 - ❑ The diffuse glazing TG had been focused on fritted glazing, diffuse applied films, and diffuse interlayers
 - ❑ It is possible that the suggested changes affects the current method, which was not the intention
 - ❑ Possible solution would be to allow current method as default and new method as optional/elected



Summary / Discussion

- ◆ What products are being simulated today using the obscure path?
- ◆ SHGC of a clear glass will be higher than most products being considered by the diffuse glazing TG, therefore default would be conservative
- ◆ Not suggesting recertification of existing products
- ◆ Allow using clear as default for any obscure glass, and allowing the new procedure to be optional/elected

Action plan for diffuse glazing

- ◆ Update ballots to make it clear that the new suggested path is an alternative to the obscure path
- ◆ Specify that partially covered glass shall be simulated using area averaged properties of the covered and uncovered parts
- ◆ No language needed regarding if this is for commercial/residential
- ◆ Work on other negatives for clarity, the need to specify planar surfaces, and tolerance

Action plan for obscure glazing

- ◆ Clear up the definition to represent today's products
- ◆ Clear up procedure for selecting the default product, harmonizing between 100 and 200
- ◆ Investigate possibility of finding best default product without adding more complexity than is practical
- ◆ No language needed regarding if this is for commercial/residential only

Separate ballots for obscure/diffuse?

- ◆ By rewriting the diffuse glazing part to be independent from obscure glazing they should stand or fall on their own for the spring meeting
- ◆ The task group should collaborate with NFRC staff to make this as transparent and practical as possible