

NFRC Door Task Group

Chair: Steve Jasperson
Chair: Dave DeBlock
NFRC Staff: Dennis Anderson

Meeting Minutes

Subject: Door Simulation Simplification
Meeting: Tuesday March 2, 2:00 – 3:00 EST
Go To Meeting/Conference Call -914.339.0023 Code 851.703.457

1. Chair (Jasperson) called the meeting to order at 2:05
2. Roll Call (quorum not required for Task Group Meetings)
Dennis Anderson. Jim Krahn. Steve Strawn. Chris Nolt. Jeff Baker. Marsha Falke. Mike Thoman. Kristen Livelsberger. Steve Cobel. Marles McDonald. Mike Barclay. John McFee. Dave DeBlock. Steve Jasperson
3. Chair (Jasperson) gave the anti-trust reminder
4. Review and discussion of the proposed door simulation simplification spreadsheet developed by NFRC staff
 - a. Dennis gave a brief overview of the proposed door simplification simulation spreadsheet
 - b. The purpose of this spreadsheet is to provide the sim labs with a U-value/SHGC/VT calculation spreadsheet that would enable the labs to be consistent with each other in their simulations of hinged doors
 - c. There was some debate that the inconsistency between labs today may not be as great as it was a few years ago. However we have no empirical data to support this conjecture
 - d. Certainly discrepancies seem to exist in the CPD for similar or like door products that have significantly difference values
 - e. The proposed spreadsheet is based on the new NFRC 100-2010 door sizes and new 100-2010 documented glass sizes.
 - f. This eliminates the option of replacing embossments with glass which results in simulating glass sizes that bear no relationship to the glass sizes reported on the temporary door matrix label
 - g. However, it was reported that some labs are still replacing embossments with glass when they sim doors, as the new 100-2010 language for siming documented glass sizes says "may" not "shall"
 - h. IG dimensions are not sim'd consistently, with some labs using the actual IG dimensions and others using daylight opening
 - i. Significant concern was expressed by wood door manufacturers that the spreadsheet stile and rail dimensions would be punitive for wood doors
 - j. Because of this, it was agreed that the input data would need to be variable to take into account the differences in stile and rail dimensions between wood doors and steel/fiberglass skin foam core doors
 - k. The group agree not to develop a separate spreadsheet for wood doors
 - l. Another suggestion was to use the NFRC 100 reference steel door with ½" IG for the study
 - m. Some concern was expressed over the 19" height dimension for ¼ lites. However, this revision to 100 has already been made and would have to be re-balloted if we wanted to change this

5. Action Items

- a. The group agreed that we need to do a hypothetical door sim case study of all sim labs willing to participate, to determine if in fact discrepancies between labs still exist and if so to what extent
 - b. Before we start the case study, it was agreed that the sim labs would provide input as necessary to modify and improve the spreadsheet
 - c. NFRC staff to contact each sim lab to determine and publish one person at each lab to be responsible to provide input on spreadsheet (Anderson)
 - d. Each participating sim lab to provide documented input before the end of this month
 - e. NFRC staff to revise spreadsheet based on lab input (Anderson)
 - f. Chair to schedule next meeting to review and agree on input and spreadsheet revisions – to be determined once spreadsheet revision work is complete (Jasperson)
6. There was no new business
7. Review of this Door Simulation Simplification proposal is on the Agenda for the Door Task Group meeting at the upcoming NFRC Spring Meeting in New Orleans. However, as the majority of this group will not be available, this review will not be a working session but will be for communication of this work only.
8. Next meeting
NFRC staff will set up the next Go-To Meeting/Conference Call – sometime in April, after the Spring Meeting
9. Meeting was adjourned at 3:00