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Notice of Changes to Certification

To: All SGCC Licensees, Participants, and Auditors

From: Safety Glazing Certification Council (SGCC)

Date: October 26, 2021

Subject: IMPORTANT NEW APPROVED SGCC's Tempered Certification Coated Glass Guidelines

Summary of Changes: Following the SGCC Certification Committee meeting held September 29th – 30th, 2021 below are the **approved new guidelines** for certifying Metalized Coated glass. This memo includes how this will affect SGCC Certified Safety Glazing Producers, and SGCC Auditors.

New Section – Certified Products Directory Procedural Guide

CERTIFICATION OF TEMPERED COATED GLASS

In order to SGCC certify tempered glass with a metalized coating (MC) that is applied to annealed glass prior to tempering (reflective, Low E, other), test results for the MC glass must be initially provided to SGCC. MC testing must then occur at least annually thereafter to maintain the MC designation for a particular thickness of product. As per the SGCC guidelines at least twice in each year samples of certified safety glazing material need to be tested to the applicable specification(s). Testing of MC product will satisfy SGCC regular testing requirements (likely one MC test and one non-MC test annually). Certification of an MC tempered product shall cover coated and non-coated tempered transparent (TTG) product of a given thickness. See Guideline T.3 for further clarification.

Testing shall be with a sputter coating (soft coat) or a pyrolytic (hard coat), at the discretion of the SGCC Licensee. Testing of any coated product shall cover all coated product. During regular twice per year inspections SGCC shall document the generic class of coating to submit (Sputter or Pyrolytic). The plant shall ship product with the coating identified (as a minimum *'Soft Coat' or 'Hard Coat'*) (likely by paper label), and the testing laboratory shall measure/validate the coating with the use of a coated glass meter (List of acceptable meters available in the SGCC Laboratory Manual). The presence of a coating shall be included in the SGCC test report.

Listings (certifications) for Tempered coated glass shall begin with the July 1st, 2022 certification cycle (L22).

Revised – TEMPERED TRANSPARENT GLASS Guideline T.3

T.3

Certification of non-coated tempered glass will also cover the items below, of the same nominal thickness where the coating does not alter substantially the post-breakage behavior of the glass substrate.
- Tinted
- Non-metalized surface coating (such as ceramic material applied as a continuous or partial coating to one or more surfaces)
- Post tempered metalized coating

A "substantial alteration" is one that would render the tempered glass in non-conformance with the applicable safety glazing standards. For SGCC certified tempered glass with a metalized coating (MC), as defined in section CERTIFICATION OF TEMPERED COATED GLASS, the metalized coated product must be tested initially and then at least annually thereafter. An SGCC "MC" designation per nominal thickness will be authorized for product in compliance. Products with the MC designation shall cover coated or non-coated product. See section CERTIFICATION OF TEMPERED COATED GLASS of the procedural guide. (Revised 9/29/2021)

1. **Effect on SGCC Certified Safety Glazing Producers:**
   - For SGCC Licensees wishing to SGCC certify tempered glass with a metalized coating, a new designation (MC) will be displayed in the Certified Products Director and on the Acknowledgment Certificate starting **July 1ˢᵗ, 2022**.
     - MC applies to annealed glass which is coated prior to tempering
   - Initial testing began **July 1, 2021** but will be **mandatory** after **July 1, 2022**. Certification of Metalized Coated Glass (MC) (Reflective, Low E, Other) will require **annual testing**, and will be submitted in place of clear samples.
   - At the discretion of the SGCC Licensee testing shall be with a sputter coating (soft coat) or a pyrolytic (hard coat).
   - When submitting MC samples for certification the <u>coated lite</u> must be labeled with an identifier (as a minimum 'Soft Coat' or 'Hard Coat').

2. **Effect on SGCC Label / Logo:**
   - A MC designator will be added to the Certified Products Directory and the Acknowledgement Certificate. Therefore, **No Changes** will be required for SGCC Labeling.

3. **Effect on Auditors:**
   - Verify if SGCC Licensee wishes to certify metalized coated glass (metalized coating (MC) that is applied to <u>annealed glass prior to tempering</u>)
   - Document on the *Sample Receipt Form* the generic class of coating Soft/Sputter (MCSC) or Hard/Pyrolytic (MCHC) at the discretion of the SGCC Licensee. If there is no MC, document the generic class as Clear.
   - Remind SGCC Licensee that the coated surface must be clearly labeled (as a minimum 'Soft Coat' or 'Hard Coat').

4. **Implementation Schedule**

Certification Period	Plants
Last Half 2021 (L21) July 1ˢᵗ 2021	Continue submitting Metalized Coated (MC) samples <u>in place</u> of Clear for L21 required SGCC testing to gain MC designation.
First Half 2022 (F22) January 1ˢᵗ 2022	Ongoing submission of Metalized Coated samples in place of Clear for testing to gain MC designation **if not already completed L21.**
July 1ˢᵗ, 2022 Certified Products Directory (CPD)	Fabricators that wish to SGCC Certify Metalized Coated (MC) designator within the July 2022 Certified Directory (CPD) <u>must</u> have completed testing. **Clear will no longer cover coating unless MC testing has been performed in the prior L21 or F22 testing cycles.** MC designator will be included in the Certified Products Directory.
Moving Forward	To maintain MC designator coated glass must be tested at least annually (either F cycle or L cycle).

Thank you for your attention to these matters. If you have any questions, please feel free to contact us any time and as always, thank you for your support of the SGCC Certification Program.

Best regards,

Safety Glazing Certification Council