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RESEARCH REPORT: RR 24747
(CSI 08 87 00)

Expires: June 1, 2025
Issued Date: April 1, 2023
Code: 2020 LABC

GENERAL APPROVAL – Renewal – Madico Protekt CL-400-PS SR Security Film for In-Place Retrofitting of Existing Sliding Glass Doors in Existing Residential Occupancy Buildings for Impact Hazard Glazing Requirements.

DETAILS

Madico Protekt CL-400-PS SR Security film is a 4 mil (0.004 inch) thick organic (polyester) single-ply sheeting with an organic acrylic based pressure sensitive adhesive and an acrylic based scratch-resistant coating. Protekt CL-400-PS SR may be used to meet the impact hazard glazing requirements for existing sliding glass doors in existing residential occupancy buildings when applied to existing in-place minimum ³/₁₆-inch thick clear annealed glass of nominal 34-inch wide by 76-inch high dimensions provided the following conditions are complied with:

1. The film shall be applied to in-place glass in complete compliance with the manufacturer's installation instructions, this research report, and Information Bulletin P/BC 2020-52.
2. The film shall be applied only on the interior so that the scratch-resistant coating is exposed to the interior room side.
3. The film may not be used on glass in insulating or double glazing frames where the film required on both sheets of glass will not be protected as required in condition No. 2 above.
4. The edge of the applied film shall not be more than ¹/₄-inch from the frame wherein the glass is installed.
5. The film shall be installed by personnel certified by the manufacturer as qualified.

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6. The manufacture and installation of the film shall be under a continuing quality control program developed and administered by the manufacturer.
7. A warning sign shall be posted over or immediately adjacent to glass with newly applied film. The sign shall state that the newly film-coated glass will not have the required impact resistance until the film has cured, and that the film shall not be touched or cleaned until 30 calendar days from the installation. A date consistent with the 30 calendar days shall be entered on the sign.
8. Each area of glass upon which the film has been applied shall have a non-removable identification sticker attached thereto. The sticker shall bear the brand name of the product, test method ANSI Z97.1-1984, this research report number and Los Angeles City approval criteria as set forth in Information Bulletin P/BC 2020-052.
9. An installation certificate as specified in P/BC 2020-052 and provided by the Department shall be completed and submitted to the Department by the certified installer within 10 days of each installation of film. The statement certifying that the installation is in accordance with the manufacturer's instructions, P/BC 2020-052 and this research report shall be signed by the certified installer and the statement indicating an awareness of the limitations stated on the temporary "warning sign" shall be signed by the owner.

DISCUSSION

The report is in compliance with the 2020 Los Angeles City Building Code.

Ordinance No. 161415 added Building Code Section 91.6101 which established the requirement that existing sliding glass panels of sliding-type doors in existing residential occupancies shall conform to impact hazard glazing requirements when the building is sold or exchanged or when repairs, alterations or additions above valuations outlined in the ordinance are to be made. The ordinance also authorizes the use of approved organic films to make existing in-place annealed glass impact resistant. Information Bulletin P/BC 2020-052 establishes acceptance criteria for organic films used to create impact resistant glazing from existing in-place glass.

Madico Protekt CL-400-PS SR is produced from a single-ply polyester base film supplied by ICI Americas, E.I. DuPont or American Hoechst Corporation to which an acrylic based scratch-resistant coating and an acrylic based pressure sensitive adhesive is applied by Madico, Inc. Base film technical properties and further details of the scratch-resistant coating and adhesive as well as the initial qualifying impact tests by ETL Testing Laboratories, Inc. and the abrasion tests by United States Testing Company, Inc. are on file in the Office of the Engineering Research and Development Division

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

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This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.

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