

Thickness and Fabrication

Standard laminated glass in common thicknesses can usually be accommodated in conventional window, door and skylight frames. Laminated glass can be fabricated with clear or tinted annealed (AN), heat-strengthened (HS), chemically strengthened (CS/CT) and fully tempered (FT) glass.

Coated glass can be used in laminated glass constructions, either in contact with the PVB interlayer or as a coating on the external surfaces. When laminating metal coatings, ceramic enamel, inks, paints or other such materials, in intimate contact with the interlayer, the compatibility of those materials should be verified. Metal coatings in intimate contact with interlayers, and containing layers susceptible to corrosion, should be edge deleted. Edge deletion is the physical removal of the coating from the glass via grinding, or other appropriate method. This edge deletion has been shown to provide a level of protection from edge attack and corrosion.

Laminated glass can be used as one or more lites of insulating glass units.

When specifying laminated glass that utilizes lites strengthened by a heating and cooling process (i.e., heat-strengthened or fully tempered), use of a minimum overall thickness of 1.52 mm (0.060 inch) Saflex® or Vanceva® interlayers is recommended. The heating and cooling process used to strengthen and temper glass can cause surface irregularities which require additional interlayer thickness for adequate lamination.

Keywords: Architectural, Fabrication, Thickness, Coatings, Frit, Inks, Edge Delete, Saflex, Vanceva

Notice: Although the information and/or recommendations as may be set forth herein (hereafter "Information") are presented in good faith and believed to be correct at the date hereof, Eastman Chemical Company and its subsidiaries and affiliates including Eastman Inc. (hereinafter "Eastman") make no representations or warranties as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event, will Eastman be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any patent, and Eastman makes no representation or warranty, express or implied, that the use thereof will not infringe any patent. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

The data presented is derived from samples tested. Results are not guaranteed for all samples or for conditions other than those tested. Data and its respective measured, calculated or estimated single number ratings is for glass panels only – glazing installed in frames may differ significantly in performance.

© 2017 Solutia Inc. a subsidiary of Eastman Chemical Company. All rights reserved. Saflex® and Vanceva® are trademarks of Solutia Inc. As used herein, ® denotes registered trademark status in the U.S. only.