

DIN EN 15755-1:2014-10 (E)

Glass in building - Adhesive backed polymeric filmed glass - Part 1: Definitions and requirements

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Glass substrate	9
5	Product definitions	10
5.1	General	10
5.2	Solar control	10
5.3	Safety	10
5.4	Security	11
5.4.1	General	11
5.4.2	Resistance to manual attack	11
5.4.3	Resistance to explosive pressure	11
5.4.4	Resistance to ballistic attack	11
5.5	RFI/EMI shielding	12
5.6	Anti-graffiti	12
5.7	Decorative	12
5.8	Low emissivity	12
5.9	Ultraviolet reduction	12
5.10	Privacy	12
6	Determination of the durability of adhesive backed polymeric filmed glass	12
6.1	General	12
6.2	Humidity test	13
6.2.1	Principle	13
6.2.2	Size and number of test specimens	13
6.2.3	Preparation of adhesive backed polymeric filmed glass specimens	13
6.2.4	Cleaning of filmed glass specimens	13
6.2.5	Conditioning of test specimens	13
6.2.6	Test procedure - Test without condensation	13
6.2.7	Visual Inspection	13
6.2.8	Determination of adhesion using peel test	14
6.2.9	Assessment of results	14
6.2.10	Acceptance criteria	14
6.2.11	Test report	14
7	Appearance	15
7.1	General	15
7.2	Detection of defects	15
7.2.1	General	15
7.2.2	Artificial sky	15
7.2.3	Daylight illumination	15
7.3	Conditions of examination	15
7.3.1	General	15

7.3.2	Glass substrate defects	17
7.3.3	Adhesive backed polymeric film defects	17
7.3.4	Adhesive backed polymeric film installation defects	18
7.4	Acceptance criteria for adhesive backed polymeric filmed glass defects	19
8	Product information	21
8.1	General	21
Annex A (informative) Guidelines for installation of adhesive backed polymeric film		22
A.1	General	22
A.2	Wet lamination	22
A.2.1	General	22
A.2.2	General Points	22
A.2.3	Installation	22
A.2.3.1	Prepare for the installation	22
A.2.3.2	Clean the glazing	23
A.2.3.3	Install the adhesive backed polymeric film to the glazing	23
A.2.3.4	Squeegee the film - first procedure	24
A.2.3.5	Trim the film	25
A.2.3.6	Finish the squeegee process - second procedure	25
A.2.3.7	Housekeeping	25
A.2.3.8	Safety films 200	26
A.3	Dry installation	26
Annex B (informative) Film to glass compatibility and thermal stress		27
Bibliography		28