



TECHNICAL GLASS PRODUCTS FIREFRAMES® ALUMINUM SERIES Allegion

Final Assembly: Snoqualmie, Washington, USA; Perrysburg, Ohio, USA

Life Expectancy: With monolithic laminated / laminated safety glass: 50 Years(s); with insulating glass units: 30 Year(s)

End of Life Options: Landfill (100%)

Ingredients:

ALKALI GLASS; Silicic acid, sodium salt; Steel (unconfirmed alloy number); Polyvinylbutyral; 1,2,3-Propanetriol; UNS A96063 Aluminum Alloy; UNS K02600 Steel; Hexanoic acid, 2-ethyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester; 1,2-Benzenedicarboxylic acid, benzyl C7-9-branched and linear alkyl esters; 1,3-Benzenedicarboxylic acid; 1,3-Propanediol, 2,2-dimethyl-; 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione; Aluminium Hydroxide; Aluminum; Ammonium polyphosphate; Barium sulfate; Biological Material - Hardwood; Calcium carbonate; Carbon Filler; Expandable graphite; Hexanedioic acid, 1,6-bis(2-butoxyethyl) ester; Manganese oxide (MnO); Nylon 6; Propane, 1,2,3-trichloro-, polymer with 1,1'-(methylenebis(oxy))bis(2-chloroethane) and sodium sulfide (Na₂(Sx)), reduced; Stainless Steel (unconfirmed alloy number); Terephthalic acid; Titanium dioxide; UNS S30403 Stainless Steel; Vinyl acetate; Zinc; Undisclosed (0.311-0.407%)¹; Undisclosed (< 0.113%)¹; Undisclosed (0.013-0.019%)¹; Mica-group minerals

¹LBC Temp Exception RL-004b - Proprietary Ingredients in Declare

Living Building Challenge Criteria: Compliant

I-13 Red List:

- LBC Red List Free % Disclosed: 99.46% at 100ppm
- LBC Red List Approved VOC Content: Not Applicable
- Declared

I-10 Interior Performance: Not Applicable

I-14 Responsible Sourcing: Not Applicable

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