

EPU-SERIES

Embossed Doors

ABOUT THE PRODUCT

The EPU-Series embossed doors are designed to provide security and durability for today's demanding residential and commercial markets. The foam-in-place Polyurethane core provides total surface support and an exceptionally flat surface, high impact resistance and outstanding thermal resistance. It provides a high level of compression and shear strength, which is further enhanced by bonding with facing materials. It offers the lowest "U" value and the highest R-Factor (a measure of insulating performance / thermal resistance, and measure of ability to retard heat flow) of all the cores.

The EPU-Series embossed doors will provide you with THE BEAUTY OF WOOD...BUT DURABILITY OF STEEL!

FEATURES

CORE:

- Foam-In-Place polyurethane thermal insulation core, having a thickness of 43 mm and a nominal density of 35-42Kg/m³ (DIN 53420).
- Thermal Conductance (43 mm): U = 0.08 Btu/hr.ft².°F. (0.456w/m²k) (ASTM C177).
- Thermal Resistance: R-Factor = 12.80 hr.ft².°F/Btu. (ASTM C518-63T).
- Polyurethane is a thermo-setting material, which when subjected to heat, merely slowly chars without melting or producing flaming droplets (BRUFMA/ID/2/2001).

OPTIONS:

- Seamless design.
- Available in wood grain texture or plain stamped. beveled or flush welded glass beads.
- Polyurethane or epoxy RAL paint finish or wood grain special finish (factory applied).
- Vision panels, transoms and sidelights.

SPECIFICATIONS OF COMPLIANCE

- Construction of the EPU doors meets the requirements of ANSI A250.8-2003 (SDI 100) and ANSI 151.1.
- Fire Rating: Up to 3 hrs for single leaf and double leaf swing doors, listed and labeled by Intertek-WarnockHersey according to UL 10C, UL 10B, UBC 7-2-1994/1997, NFPA 252-1995, ASTM E152-81a, and CAN4-S104 (ULC S104).

"Urethane core doors possess superior insulating properties (R- factor of 11.1) and are suitable for exterior openings in cold climates".

