FACADE

Sapa 4150 PH

ENERGY EFFICIENT AND VERSATILE

Sapa Facade 4150 PH consists of insulated, 50 mm wide aluminiumprofiles. With new developed thermal breaks together with inner gasket it provides high insulation properties.

Prestanda

- The profiles are designed to provide stability against dimensioned loads and is joined with hidden connections. The system can easily be supplemented with openable units. U-values for facade must be reported for the entire facade.
- For lowest possible CO_2 footprint, the aluminum profiles are manufactured in Hydro CIRCAL with at least 75% recycled aluminum from post consumer scrap. This gives one of the lowest CO_2 footprints in the world per kilogram of aluminum produced.
- New developed thermal breaks for high insulation properties.
- Frame profiles in several dimensions, 120–300mm.
- Glass thickness 48–64 mm.
- Sapa 4150 PH meets the stringent Passive House energy requirements set by the German certification institute Ift Rosenheim. The system achieves low U_{cw} = 0.66 W / m^{2}K.
- Sound resistance: Rw= 50 dB
- Classified according to current EN-standards.

Thermal performance

- Sapa 4150 PH: U_{cw} = 0.66 W/m^{2}K. Calculated on elements according to Passive House standard.

Performance

- Air permeability: Class AE1200.
- Watertightness: Class RE1200.
- Wind resistance: 2000 Pa.

Safety

- Burglar protection Class RC2 and RC3 for glazed parts.

Design

- Frame profiles in several dimensions, 120–300mm.
- A wide selection of interior transoms/mullions and exterior decorative profiles that allow great freedom to create the desired look.
- Windows: 1086 SX, inward.
- Doors: in- and outward opening doors or sliding doors can easily be installed.

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Sound resistance: R_w = 50 dB
Burglary protection: Class RC2 and RC3
Glass rebate: 48–64 mm

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