

The 4-star hotel Jakarta in Amsterdam: Where once ships set sail for Jakarta, there is now a green oasis in the centre of Amsterdam. The hotel offers 200 luxurious rooms. Its interior design is inspired by Indonesian influences.
Photo: Hotel Jakarta, Amsterdam

Ceiling-height, easy-to-open sliding doors: guests at the hotel enjoy convenient access to their balconies and brightly lit rooms
Photo: Hotel Jakarta, Amsterdam

Holland Houtwerk and Timmerfabriek Overbeek, the Netherlands

Roto Patio Life for an energy-neutral hotel

■ **Timber** For more than 25 years, the company Holland Houtwerk has represented modern timber construction. Planning for the energy-neutral Hotel Jakarta in Amsterdam included, among other things, 176 timber sliding doors, primarily in order to provide lighting and ventilation of guest rooms. Roto Patio Life ensures tight sealing and operating convenience.

The design of the hotel is characterised by lots of glass and the decision to use recyclable construction materials. A tropical garden inside the hotel draws the attention of guests to the ecological standards of the building. Once they have reached one of the rooms or suites, they experience the interplay of maximum transparency, comfortable timber and interior design.

A sliding system for energy efficiency and comfort

The triple-glazed window sashes can be opened easily and – in order to achieve the desired level of energy efficiency – can be tightly sealed when closed. Both the Tilt&Turn balcony doors and the large sliding systems were produced for Holland Houtwerk by the Timmerfabriek Overbeek woodworking factory in Haaksbergen in the Netherlands. The doors are made of larch wood, sourced exclusively from Europe. The Roto Patio Life sliding hardware was installed in elements with a width of approx. 3,500 mm, which can be easily opened wide and reliably closed tight.

Roto Patio Life hardware and comfort threshold

“This hardware was the perfect choice for the energy-efficient sliding doors in Hotel Jakarta,” explains Gerry Claassens, Manager for Customers and Markets for Roto Benelux. “The hotel guests enjoy ease of use of the large elements, the comfort of the extremely small threshold and the huge amount of natural light. The hotel benefits from the contribution made by the triple-glazed elements to ensuring a windproof, energy-efficient building envelope.”

Well-thought-out operating concept

Conventional hardware technology often means that opening large Lift&Slide elements requires substantial physical effort, Claassens explains. “Before the door or window can be slid to

the side, the entire sash must first be lifted. Roto Patio Life dispenses with the need for this effort, since instead of lifting the sash, the gasket is lifted directly via the handle, and simply lowered again when closing the door or window.” This makes heavy sliding elements with sash weights of up to 400 kg extremely easy to operate. It is possible to equip window elements with Roto Patio Life at system widths of up to 6,500 mm.

Reducing energy consumption

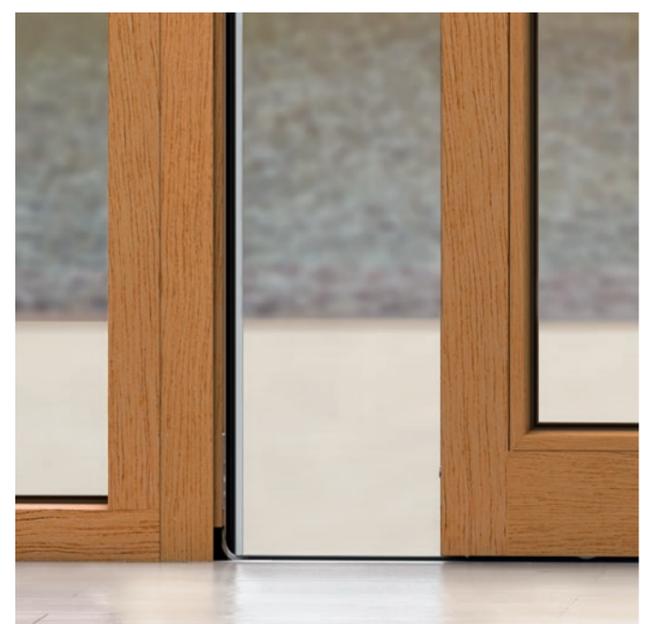
Roto Patio Life ensures tight sealing, thereby reducing heat losses to a minimum. There are two main reasons for this: The horizontal gasket components are actuated using the handle and reliably seal the door. For the threshold, Roto uses a mix of heat-insulating materials that provides ideal isothermal efficiency and prevents unwanted cold bridges. The room temperature directly at the threshold remains above 10°C, even when the outside temperature drops to -15°C during the cold season. This prevents condensation.

No trip hazards as standard

Conventional thresholds also often represent potentially dangerous trip hazards – particularly for small children and older persons. They can easily become an impassable barrier for wheelchair users. By contrast, the innovative Roto Patio Life comfort threshold with its flat roller track dispenses with trip hazards.
www.hollandhoutwerk.nl www.tifaoverbeek.nl

Sliding door made of European larch wood with Roto Patio Life hardware and comfort threshold

- U-value of 0.8 W/m²K (size 3.5 x 2.45 m)
- Airtightness class A4 in accordance with EN 12207
- Driving rain tightness 650 Pa in accordance with EN 1027
- Burglary inhibition class 2 NEN 5096
- Equipped with triple-layered safety glass
- Easy operation



Minimal barriers and tightly sealed: A balcony door with Roto Patio Life sliding hardware and comfort threshold