

Tender specification Suggestion

### \*\*\* **Döpfner triple-glazed aluminium-clad timber windows and doors**

#### **Product Description:**

##### **Döpfner Aluclad Slim-3 Premium IV78**

System construction and characteristics:

- 78mm thick timber frame in European Spruce (FSC, PEFC & EUTR)
- Welded external aluminium cladding – anodised or powder-coated
- Invisible double EPDM compression seals with internal aluminium system for controlled drainage and cleanliness

#### **Glazing:**

- Insulative triple-glazing with Swisspacer warm-edge technology – typical glass thickness 40–52mm, minimum standard glazing 4/14/4/14/4, double Argon filled, double Low-E coating,  $U_g = 0.6 \text{ W/m}^2\text{K}$
- Glass types: Heat insulation glass, solar glass, special glass like safety glass etc. depending on purpose of windows

#### **Surface Finish:**

- External aluminium cladding – corner-welded and polished aluminium cladding with surface either anodised or powder-coated to specified RAL colour
- Internal timber - double-sanded and protected by triple nano-coating (against blue fungal stain, water and UV) in either clear, stained or paint finish to match standard RAL colour

#### **Operable Variations:**

##### **Windows**

- Tilt and Turn: Inward-opening hinged windows with tilt mode for burglary proof ventilation
- Tilt only: Bottom hinged inward-opening restricted to 120mm opening
- Highlight opener: Bottom-hinged inward-opening restricted to 190mm opening (to be used with manual lever mechanism or electrical operation)
- Fixed Window: Non-operable window

##### **Doors**

- Tilt and Turn Door: Inward-opening hinged door with tilt mode for ventilation with 24mm high (off FFL) low-profile sill/threshold plate
- Inward opening door: Inward-opening hinged door with 24mm high sill/threshold plate OR else EPDM drop-down seal for flush transitions
- Lift and slide door: Lever handle operated sliding door with 185 mm deep frame and 50x190 mm sill to be set down for flush transitions

#### **Control types:**

- For windows and doors: Standard handle colour 'Titanium' look
- For highlight openers: Manual lever mechanisms or motorised by 230V actuators

#### **Installation:**

- Window frame suitable for screw fixing into timber and steel constructions
- PS: Available with glazing flange for direct facade system integration