**Design description**

System WW20 (System IV92, System IV78) wooden windows with wood thickness 90mm, according to DIN 68121. 20° bevel at glazing rebate edge and rounding R6.

**Technical Requirements and System-Specific Verifications**

The execution must be carried out in accordance with the relevant standards and guidelines, the recognised rules of technology and the information provided by the system provider.

Driving Rain Resistance Class 9a

Air permeability class 4

Operating forces class 1

Suitability for RAL-tested windows System verification

Suitability as anti-fall glazing according to

DIN 18008-4, category A,C2,C3 including test certificate.

Thermal insulation of the frame e.g. spruce, U - values according to DIN 10077-2:2003-10, Uf = 1.1 W/m2K depending on profile geometry

**Required Basic System**

**Wood construction**

Wood widths: Frame width 79mm (optional: 71mm - 141mm wide)

Sash width 78mm (optional: 70mm - 140mm wide)

3- or 4-layer glued with continuous top layers.

**Surface**

- Primer 2x: 1 x Remmers Wood Strengthener and 1 x Impregnation Glaze

- intermediate sanding with 150 grain

- Painting 2x: with Remmers spray glaze (thick layer)

All surface materials are open-pored and acrylic-based (water-based paint).

Colour shades according to standard RAL colour chart.

**Fitting**

Winkhaus activPilot. Basic security with mushroom head locking and at least 2 steel striking plates. 3-dimensional adjustable. Hinge side white or F9. 13mm fitting axis, thus increased stability.

**Gaskets**

Running on 2 levels in black or white. A circumferential, corner vulcanisable APTK seal made of APTK must be installed between the wooden frame and the wooden sash.

Glazing with double-sided circumferential sealing. Glass beads fixed invisibly.

For glass thicknesses from 40mm - 58mm.

**Rain rail**

Gutmann Spree 24 OF made of aluminium in EV1, dark bronze or white with

frame cover for controlled drainage of surface water.

**Accessories**

Sash cover profile, decorative strips, functional strips, security fitting RC1 or

RC2N, lockable window handles etc.

**Glazing**

**Technical data**

Light transmission TL: \_\_\_\_ (%)

Total energy permeability g: \_\_\_\_ (%)

Light reflection outside RLa: \_\_\_\_ (%)

U-value Ug: \_\_\_\_\_\_ (W/m²K)

Sound insulation dimension Rw: \_\_\_\_ (dB)

Light and energy values according to DIN EN 410.

The Ug-value indicated was calculated according to DIN EN 673.

**Thermal insulation of elements (Uw) according to ENEV**: Regulation on energy-saving thermal insulation and energy-saving systems engineering in buildings.

Window / facade elements Glazing

Heat transfer coefficient of the window element

Uw = W/m²K

Heat transfer coefficient of the door element

Ud = W/m²K