

**HR VILLA IS A WINDOW AND DOOR COLLECTION SUITABLE FOR ALL  
HOLIDAY HOME CONSTRUCTION AND RENOVATION PROJECTS.**

**HR  
VILLA**



**HR-IKKUNAT**  
RUHKALA OY





## THE SOLUTION FOR HOLIDAY HOME CONSTRUCTION AND RENOVATION

The comprehensive HR Villa collection features windows and doors for all kinds of holiday homes, from second homes in year-round use to cabins used exclusively during the summer.

Offering excellent heat and sound insulation, the collection's triple-glazed windows guarantee comfort, even in the most demanding of conditions.

The windows and doors can be equipped with additional features, such as blinds, removable grids and special-purpose glass, to suit the customer's needs.

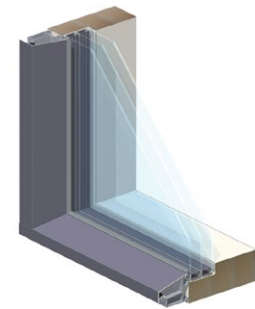




# HR VILLA WINDOWS



**MSEAL**  
U-value 0,98



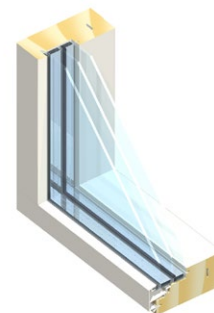
**HREAL 3K**  
U-value 0,71



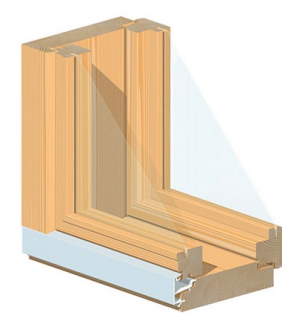
**MSAL**  
U-value 2,5



**MSE**  
U-value 0,96



**MEK**  
U-value 3K: 0,80,  
2K: 1,3

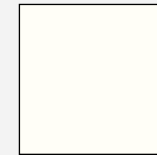


**MS**  
U-value 2,45

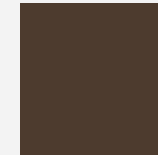


## STANDARD COLOURS

### OPAQUE COLOURS



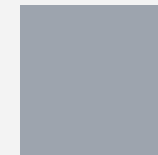
WHITE  
RAL 9010



BROWN  
RR32

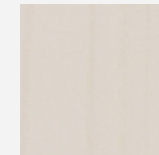


DARK GREY  
RAL 7024

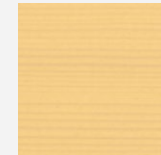


LIGHT GREY  
RAL 7040

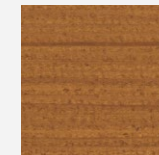
### TRANSLUCENT COLOURS



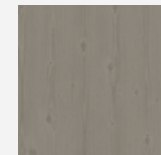
WHITE LACQUER  
TVT 3466



PINE  
1801



HAZEL  
1806



STONE  
TVT 3465

## HR VILLA WINDOWS PROVIDE COMFORT IN EVEN THE MOST DEMANDING OF CONDITIONS

### Opening wooden aluminium windows, MSEAL and MSAL

A modern and durable solution that is suitable for construction and renovation projects in both modern and traditional settings.

#### Structure

Our opening windows are double-glazed and open inwards. The outer sash and outer cladding are made from powder-coated aluminium.

#### Sealing

The windows are triple sealed. The inner sash and frame have groove gaskets. On the outer sash, the frame aluminium cladding is sealed all the way from top to bottom with small breaks in the sealing left at the sides for ventilation.

#### Glazing

The inner sash of the MSEAL window holds an insulated double glass pane and the outer sash holds a float glass pane. In the MSAL window, both sashes feature a float glass pane.

### Fixed wooden aluminium windows, HRAL 3K and 2K

Fixed windows offer a larger glass surface and convenience in everyday life, with only two surfaces to clean.

#### Glazing

These fixed windows are glazed with double or triple-insulated glazing, containing argon gas and a low-e finish as standard.

### Opening wooden windows, MSE and MS

Traditional wooden frame windows untreated or treated according to the customer's wishes. Our treated windows are always triple sealed. The relevant hardware is included in the price.

Unpainted windows are treated with water-soluble wood preserver which protects the wood from decay, blue stain and mould for approximately one year. In MS windows that have been coated with a protective agent, sealing and the relevant hardware are available as additional features.

### Fixed wooden frame windows, MEK 3K and 2K

#### Treated windows

Clear protective coating, translucent coating, paint and dual colour coatings.

#### Glazing

These fixed wooden frame windows are glazed with double or triple-insulated glazing, containing argon gas and a low-e finish as standard.

#### Depth of frame

96, 131, 175 and 220mm

The depth of frame varies slightly depending on the type of window selected.

#### Additional features

Removable grids, blinds, insect screens, fresh air valves and special glazing.



# HR VILLA DOORS

## Diagonal panelling

Doors with diagonal panelling and coated with a protective agent.



HR VILLA VP



HR VILLA VP  
9M



HR VILLA VP  
12M



HR VILLA  
GLASS DOOR

## Vertical panelling

Doors with vertical panelling and a white lacquer finish.



HR VILLA PP



HR VILLA PP  
9M



HR VILLA PP  
12M



HR VILLA  
GLASS DOOR

## Horizontal panelling

Doors with horizontal panelling with a white finish.



HR VILLA VA



HR VILLA VA  
9M



HR VILLA VA  
12M

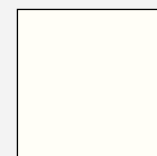


HR VILLA  
GLASS DOOR



## STANDARD COLOURS

### OPAQUE COLOURS



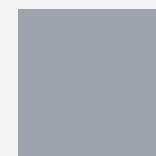
WHITE  
RAL 9010



BROWN  
RR32

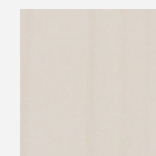


DARK GREY  
RAL 7024

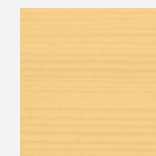


LIGHT GREY  
RAL 7040

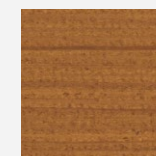
### TRANSLUCENT COLOURS



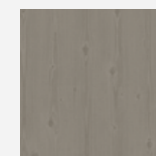
WHITE LACQUER  
TVT 3466



PINE  
1801



HAZEL  
1806



STONE  
TVT 3465

## DOORS WITH A UNIFORM APPEARANCE AND THERMAL INSULATION AS AN OPTIONAL EXTRA

### VILLA 1.0

A solid, double-sealed wooden door that keeps the cold at bay. The Villa 1.0 is suitable for standard houses and holiday homes, and can be used as both an external door and a balcony door. U-values: glass doors: from 1.0 W/m<sup>2</sup>K, solid doors: 0.95 W/m<sup>2</sup>K.

### VILLA 1.3

A solid double-sealed wooden door for holiday homes. The Villa 1.3 provides excellent thermal insulation and is suitable for three-season holiday homes. U-value: 1.3 W/m<sup>2</sup>K (with standard glazing).

### U040

A lipped cabin door for saunas, with the emphasis on a traditional, natural style. The door's frame is 40 mm thick and panelled on both sides with 12 mm thick panels. The door is supplied untreated and should therefore be treated after installation to provide optimal weatherproofing.

### Standard door sizes

Width: 7 (690), 8 (790), 9 (890), 10 (990)  
Double doors: 5+9 (1390), 5+10 (1490), 9+9 (1790), 10+10 (1990)  
Height: 19 (1890), 21 (2090)

### Standard door structure (Villa 1.0 and Villa 1.3)

Frame depth: 94 mm, pine (thickness 62 mm)  
Door frame: The door's perimeter wood is formed of six pieces connected using adhesive to create a laminated wood structure.  
Threshold: Hardwood threshold  
Glass openings: 9 M, 12 M, 14 M, 16 M, 18 M, FULL GLASS DOOR  
Panel sections: Diagonal, horizontal or vertical patterned panel on the inside and outside of the door. Polyurethane insulation 30 mm thick between the panels.  
Removable grid: In doors with glass openings, the outer surface of the glass features a removable grid. The doors can also be supplied without the grid.  
Sealing: The frame features a shaped groove gasket and the door panel features a silicone seal.

### Standard door mountings

Hinges: The hinges used are adjustable hinges. The hinges can be adjusted laterally and in terms of height and depth. Each door features four hinges (19 M three hinges).

### Coatings

- Clear protective coating
- Translucent coating
- Painted
- Dual colour coatings

### Additional features

Lock cases: as per supply agreement.



HR-Ikkunat Ruhkala Oy · Rautiontie 344 · 85140 TYNKÄ, FINLAND · +358 8 466 320 · myynti@hrikkunat.fi · hrikkunat.fi