



Rosenheim Guidelines Coating Groups Table

Coating systems have two primary functions:

1. Protecting the substrate material
2. Defining the color

The success of wood as a raw material as a building material for windows, and the functional capability of the wood window itself, are closely connected with the right choice of coating products and their use in an appropriate system.

This applies both to surface processing with covering material, and in particular to processing with transparent products. It is this type of surface treatment in particular that is increasingly being used as a design element in modern architecture, because the natural appearance, texture and coloring of the wood have an optimal welcoming and enlivening effect.

This is one of the main reasons for the use of exotic hardwood species such as meranti, merbau, afzelia, cedro, niangon, framiré or sipo.

The Institut für Fenstertechnik (Germany's Institute for Window Technology) developed the following table which offers a color-specific assignment of coating systems and wood types to different load groups.

Institut für Fenstertechnik e.V., Rosenheim



Coating groups
for windows and exterior doors

Surface protection			Stain coating			Opaque coating		
Wood type group *			I	II	III	I	II	III
Load	Color							
External environment (indirect weathering)	Without restriction	1	A	A	A	C	C	C
Open air environment for normal direct	light 077	2				C	C	C
	medium 006/009	3	B	B	B	C	C	C
Weathering	dark 010/048	4	B	B	B	C	C	C
Open air environment for extreme direct	light 077	5				C	C	C
	medium 006/009	6		B	B	C	C	C
Weathering	dark 010/048	7		B	B		C	C

For coating groups in a white field, the recommendations apply with the restriction that resin flow and/or cracks in the wood, and in the frame joints, can cause deterioration of the surface and the coating (see also DIN 68360 Part 1)

Coating group: A, B, C: see next page



sikkens
WOOD COATINGS

Passion for wood

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* Wood type group I: Resinous softwoods such as pine, Oregon pine, pitch pine

Wood type group II: Low-resin softwoods such as spruce, redwood

Wood type group III: Hardwoods such as oak, dark red meranti, sipo, teak

Assignment of Sikkens Wood Coatings products to the coating groups table

The coating systems listed here are examples; other configurations are possible.

Staining coating systems

A I + A II	Impregnation	1x Cetol WV 880 BPD
	<i>alternative:</i> Impregnation primer	1x Cetol WP 567 BPD
	Primer	1x Cetol WP 566
	Mid coat + topcoat	2x Cetol WF 950 or Cetol WF 955
A III	Primer	1x Cetol WP 566
	Mid coat + topcoat	2x Cetol WF 950 or Cetol WF 955
B I + B II	Impregnation	1x Cetol WV 880 BPD
	<i>alternative:</i> Impregnation primer	1x Cetol WP 567 BPD
	Primer	1x Cetol WP 566
	Mid coat + topcoat	2x Cetol WF 952 or Cetol WF 957
B III	Primer	1x Cetol WP 566
	Mid coat + topcoat	2x Cetol WF 952 or Cetol WF 957

Opaque coating systems

C I + C II	Impregnation	1x Cetol WV 880 BPD
	<i>alternative:</i> Impregnation primer	1x Rubbol WP 168 BPD
	Primer	1x Rubbol WP 194
	Mid coat + topcoat	2x Rubbol WF 380 or Rubbol WF 378
C III	Primer	1x Rubbol WP 194
	Mid coat + topcoat	2x Rubbol WF 382 or Rubbol WF 387