

RESOPAL® HW (HIGH WEAR)

PRODUCT DATA SHEET

(supplement to the product data sheet for RESOPAL laminate HPL to DIN EN 438)

The product data sheet for RESOPAL laminate HPL to DIN EN 438 forms the basis for these comments. If not otherwise stated, the descriptions given there apply.

1. Material description and composition

RESOPAL-HW is a decorative high pressure laminate (HPL) for use in internal finishing and fulfills the prerequisites of the standard „Specifications for boards less than 2 mm thick, intended for gluing onto a substrate“ set down in prEN 438-Part 3.

In addition to the general standard construction, the boards described here are considerably upgraded with regard to their abrasion resistance by the special paper used and permit applications in which requirements extending beyond the standard must be fulfilled.

This special property is moreover achieved on high-gloss surfaces.

2. Increased abrasion

The abrasion values are practically independent of the surface structure, but in the present case they are concentrated only on high-gloss boards.

	Required values to EN 438 (Cl. 3)	RESOPAL® Plain Colours	RESOPAL® Printing decors	RESOPAL®-HW
Abrasion resistance	≥ 350 U	900-1250 U	500-700 U	1000-1800 U
Scratch resistance	≥ 2.0 N			1.5-2.0 N (glossy surface)
Other properties				As for glossy surfaces (01)

The EN requires Class 3 (=high abrasion resistance) with an abrasion of at least 350 U for worktops.

RESOPAL and RESOPAL HW lie far above this standard requirement also in comparison with the market offer. They fulfill even the requirements on Class 4 (= very high abrasion resistance).

3. Technical application note

Due to the larger proportion of inorganic constituents contained in the modified structure, higher tool wear could be expected in further processing. However, no greater difficulties have to be expected thanks to the present-day technology of hard metal tipped tools or also when diamond tools are used.

4. Versions

Format	3650 mm x 1320 mm
Thickness	0.6 - 0.8 mm
Surface	Glossy

All information is based on the current state of technical knowledge, but it does not constitute any form of guarantee. It is the personal responsibility of the user of the products described in this information leaflet to comply with the appropriate laws and regulations.