



## Product Data Sheet

# RESOPLEX® Worktop

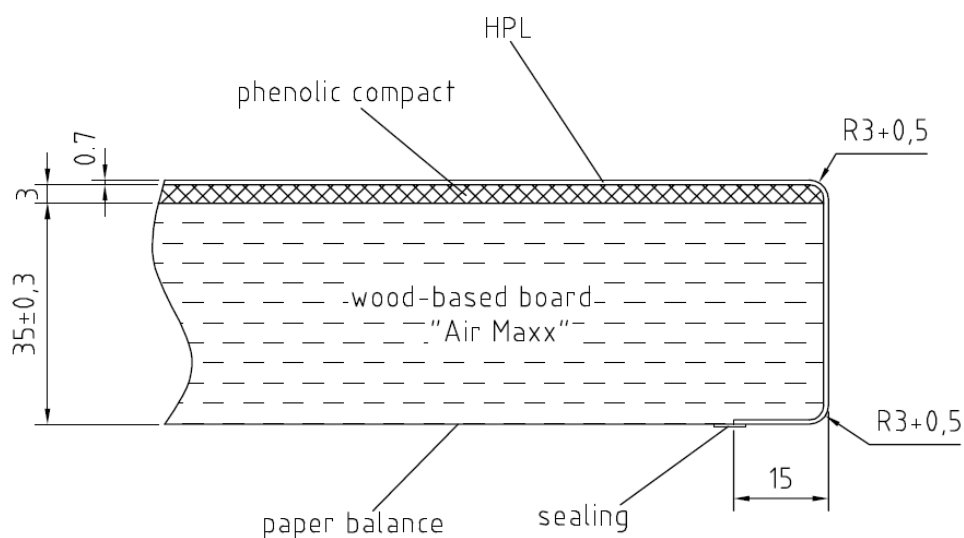
This information describes the composition of RESOPLEX® worktops and offers advice for their handling, processing, use and disposal. The information in this Product Data Sheet applies to RESOPLEX® worktops consisting of an AirMaxx® lightweight chipboard, a 3 mm thick solid RESOPAL® - Massiv panel and a 0.7 mm thick RESOPAL® HPL surface.

- 1 Materials description and composition**
- 2 Technical data**
- 3 Application recommendation**
- 4 Dimensions**

## 1 Materials description and composition

RESOPLEX® worktops consist of a 35 mm AirMaxx® lightweight chipboard, a 3 mm thick solid RESOPAL® panel and a 0.7 mm thick RESOPAL® HPL surface.

- Substrate material: AirMaxx® lightweight chipboard (400 – 450 kg/m<sup>3</sup>), emission class: E1. AirMaxx® is an innovative material combination of two sophisticated basic materials for which we have many years of processing experience: Chipboard and Styropor®. Styropor® partially replaces the middle layer chips.
- Glue: PVAc dispersion glue (white glue; stress group D 3 according to DIN EN 204) for gluing the phenolic compact panel to the substrate material.  
PUR hotmelt for gluing the RESOPAL® HPL surface on the phenolic compact panel.
- Phenolic compact panel: RESOPAL®-Massiv panel according to DIN EN 438-4, sanded on both sides
- RESOPAL surface: RESOPAL®-HPL according to DIN EN 438-3
- Underside: Water-repellent balance paper
- Front edge: Profiled with post forming edge
- Rear edge: Paper edge waterproofed with synthetic resin
- Seal: Synthetic resin coating



## 2 Technical data

	Test method standard	Unit	Target value according to DIN EN 438-3	RESOPLEX®
<b>Wear resistance</b>	DIN EN 438-2, 10	index number	3	3
<b>Impact resistance*</b>	DIN EN 438-2, 20	index number N	3 ≥ 20	3 ≥ 20
<b>Scratch resistance (depending on structure)</b>	DIN EN 438-2, 25	index number	4,3,2	4,3,2
<b>Resistance to hot pot bottoms (depending on structure)*</b>	DIN EN 438-2, 16	rating	3 – 5	3 - 5
<b>Surface soundness</b>	EN 311	N/mm <sup>2</sup>	≥ 1,0	≥ 1,2
<b>Resistance against stains</b>	DIN EN 438-2, 26	rating	Group 1+2: ≥ 5 Group 3: ≥ 4	Group 1+2: ≥ 5 Group 3: ≥ 4
<b>Light fastness</b>	DIN EN 438-2, 27	grey scale rating (EN 20105-A02)	4 – 5	4 – 5

\* For the characteristics of "impact resistance" and "resistance to hot pot bottoms", the laminate was tested according to DIN EN 438-2.

## 3 Application recommendation

The RESOPLEX® worktop can be used for worktops in kitchens, bathrooms, laboratories, medical practices, etc. In particular, it is suitable for flush mounted ceramics and stainless steel sinks.

## 4 Dimensions

3.650 mm x 600 mm

3.650 mm x 900 mm

3.650 mm x 1.200 mm

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.