RESOPAL® HPL Traceless Premium (-TP)
RESOPAL® HPL Colour Traceless Premium (-TP)
RESOPAL® HPL Pure White Traceless Premium (-TP)
PRODUCT DATA SHEET

1. MATERIAL DESCRIPTION AND COMPOSITION

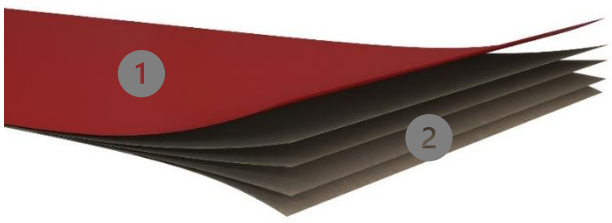
RESOPAL HPL Traceless Premium panels are based on EN 438 and meet the requirements of EN 438-3 (RESOPAL HPL Traceless Premium, RESOPAL HPL Traceless Premium F) and EN 438-9 (RESOPAL HPL Colour Traceless Premium, RESOPAL HPL Pure White Traceless Premium).

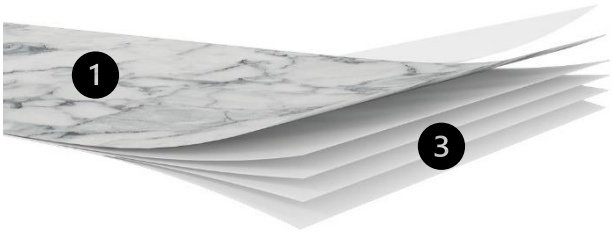
RESOPAL HPL Traceless Premium (-TP) panels are laminate panels with an anti-fingerprint, satin, low-reflective, and soft-touch surface intended for interior applications.
RESOPAL HPL Traceless Premium panels consist of layers of fibrous cellulose material (usually paper) impregnated with thermosetting synthetic resins that cure under heat and high pressure. The process, defined as the simultaneous application of heat (≥ 120 °C) and high specific pressure (≥ 5 MPa), enables the flowing and subsequent curing of the thermoset resins to obtain a homogeneous and non-porous material (density: HGS/HGF ≥ 1.35 g/cm³, BTS ≥ 1.4 g/cm³) with the required surface finish.

Basically, more than 60 % of the RESOPAL HPL Traceless Premium consists of paper and the remaining 30 to approximately 40 % consists of synthetic resins.

RESOPAL HPL Traceless Premium panels are available in various dimensions, thicknesses, and core variations. The different core variations differ not only in appearance, but also in mechanical properties.
a) Brown phenolic standard core type HGS. If fire retardant material is required, the brown laminate core can be treated with a halogen-free additive: type HGF.
b) Phenolic core, extra black type HGS.
c) Melamine coloured core type BTS.

RESOPAL HPL Traceless Premium surfaces have antibacterial properties. This contributes to surface hygiene. An expert opinion from an independent testing institute confirms a reduction in the number of germs of 99.9% compared to the initial germ count.





1 Decor paper one side, acrylic resin impregnated
2 Type HGS/HGF: Core paper (kraft paper), phenolic resin impregnated
3 Type BTS: Special Core paper, melamine resin impregnated

2. FORMATS

This information is available on our website www.resopal.de/infobook in accordance with our delivery program.

3. AREAS OF APPLICATION

Table 1: Classification system and typical applications (source EN 438-3 and 438-9)

PERFORMANCE CATEGORY	MATERIAL TYPE	NUMERICAL CLASSIFICATION INDEX NUMBERS			EQUIVALENT ALPHABETICAL CLASSIFICATION	EXAMPLES OF TYPICAL APPLI-CATIONS [1]
		Wear resistance (Revolutions)	Impact resistance (N)	Scratch resistance (Rating [2])		
high resistance to wear high resistance to impact high resistance to scratching	S, F	3 (≥ 200)	3 (≥ 20)	≥ 4	**HGS** (horizontal, general purpose, standard grade) **HGF** (horizontal, general purpose, flame-retardant grade) **BTS** (coloured core layer laminate, thin laminate < 2 mm, standard grade)	kitchen and office worktops restaurant, hotel desks and tables doors and wall cladding interior walls

[1] The examples indicate typical applications of RESOPAL HPL Traceless Premium. The application of RESOPAL HPL Traceless Premium depends on several factors (e.g., temperature, relative humidity, change in climatic conditions, fasteners, fire behavior requirements, etc.). Therefore, the suitability of RESOPAL HPL Traceless Premium for the respective application must be checked in advance.

[2] ≥ 90 % continuous double circle of scratch marks clearly visible, Rating 5 - > 6 N, Rating 4 – 6 N, Rating 3 – 4 N, Rating 2 – 2 N, Rating 1 – 1 N

4. TECHNICAL DATA

4.1 TECHNICAL PROPERTIES ACCORDING TO EN 438-3 AND EN 438-9

Table 2: Technical properties according to EN 438-3 and EN 438-9

PROPERTY	TEST METHOD EN 438-2: 2016	UNIT	HGS	HGF	BTS
Physical properties, dimensions and tolerances					
Density	EN ISO 1183-1	g/cm³	≥ 1.35		≥ 1.4
Thickness	EN 438-2-5	mm 0.5 ≤ t < 1.0 1.0 < t < 2.0	 ± 0.10 ± 0.15		 ± 0.15 ± 0.18
Length and width	EN 438-2-6	mm	+ 10 / - 0		
Edge straightness	EN 438-2-7	mm/m	≤ 1.5		
Edge squareness	EN 438-2-8	mm/m	≤ 1.5		
Edge quality	EN 438-2-4		Visual defects (e.g., moisture marks, lack of gloss, corner damage, etc.) can be present on all four edges of the laminate, providing the defect-free length and width are at least the nominal size minus 20 mm		
Flatness	EN 438-2-9	mm/m	≤ 60		≤ 100
Dimensional stability at elevated temperature	EN 438-2-17	% t < 2 mm Longitudinal Transverse	 ≤ 0.55 ≤ 1.05		 ≤ 0.80 ≤ 1.40
Co-efficient of thermal expansion	DIN 51045 +80 °C/-20 °C	1/K Longitudinal Transverse	 0.9×10^{-5} 1.6×10^{-5}		 -
Mechanical properties					
Resistance to immersion in boiling water	EN 438-2-12	Surface rating [3]	5		
Resistance to impact by small-diameter ball	EN 438-2-20	N Spring force	≥ 20		-
Resistance to impact by large-diameter ball (optional)	EN 438-2-21	mm Drop height Indent diameter	 ≥ 800 ≤ 10		 - -
Resistance to cracking under stress (optional)	EN 438-2-23	Rating [4]	≥ 4		-
Surface properties					
Dirts, spots, etc. Fibers, hairs, scratches	EN 438-2-4	mm²/m² mm/m²	≤ 1.0 ≤ 10		
Resistance to surface wear	EN 438-2-10	Revolutions Initial Point (IP)	≥ 150		
Resistance to water vapour	EN 438-2-14	Rating[3]	≥ 4		

[3] Rating 5 – no visible change; Rating 4 – slight change of gloss and/or colour, only visible at certain viewing angles; Rating 3 – moderate change of gloss and/or colour; Rating 2 – marked change of gloss and/or colour or surface blistering; Rating 1 – Surface layers delamination.

[4] Rating 5 - No evidence of cracking; Rating 4 - Hairline cracks only visible under ×6 magnification; Rating 3 - Cracks visible with normal vision from the edge of the hole, but not extending to either edge of the specimen; Rating 2 - A crack visible with normal vision from the edge of the hole, extending to one edge of the specimen such that the specimen is not broken into two pieces; Rating 1 - Specimen broken into two pieces.

PROPERTY	TEST METHOD EN 438-2: 2016	UNIT	HGS	HGF	BTS
Resistance to dry heat (160 °C)	EN 438-2-16	Rating [3]	5		
Resistance to wet heat (100 °C)	EN 438-2-18	Rating [3]	5		-
Resistance to scratching	EN 438-2-25 EN 15186	Rating [2] N	≥ 4 4 – 6		
Resistance to staining	EN 438-2-26	Rating [3] Groups 1 & 2 Group 3	5 [5] ≥ 4		
Light fastness (xenon arc)	EN 438-2-27	Grey scale rating SURFACE CORE	4 – 5 -		≥4 ≥3
Fire behaviour					
Fire behaviour [6] (CWFT [7])	EN 13501-1	Building material class	D-s2, d2 [8]	C-s2, d2	no class
Calorific value	EN ISO 1716	MJ/kg	18–20		

HGS: H (Horizontal grade), G (General purpose), S (Standard grade)
HGF: H (Horizontal grade), G (General purpose), F (Flame retardant grade)
BTS: B (Coloured core layered laminate), T (Thin laminate < 2 mm), S (Standard grade)

Additional information regarding product quality (standard/flame-retardant) is also available on our website www.resopal.de/infobook.

4.2 ADDITIONAL TECHNICAL PROPERTIES AND SAFETY INFORMATION

Table 3: Additional technical properties

PROPERTY	DESCRIPTION
Physical and chemical properties	
Physical state	Solid
Solubility	Insoluble in water, oil, methanol, diethyl ether, n-octanol, acetone
Boiling point	None
Evaporation rate	None
Melting point	RESOPAL HPL Traceless Premium does not melt
Calorific value	18–20 MJ/kg
Heavy metals	RESOPAL HPL Traceless Premium panels contain no toxic compounds based on antimony, barium, cadmium, chromium III, chromium VI, lead, mercury, selenium
Bisphenol A (BPA)	RESOPAL HPL Traceless Premium contains no components
Asbestos	RESOPAL HPL Traceless Premium contains no components
Pentachlorphenol (PCP)	RESOPAL HPL Traceless Premium contains no components
RoHS	RESOPAL HPL Traceless Premium meets the requirements of EU guidelines 2011/65, 2015/863 RoHS (Restriction of Hazardous Substances). RESOPAL HPL Traceless Premium contains none of the following restricted substances: lead, mercury, cadmium, chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ether (PBDE), pentabromodiphenyl ether (PentaBDE), octabromodiphenyl ether (OctaBDE), Bis(2-ethylhexyl)phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), diisobutyl phthalate (DIBP)
BPR – Biocidal Product Regulation	Resopal HPL Traceless Premium complies with Biocidal Regulation EU Nr. 528/2012

[5] Traceless Premium: A longer exposure time of hot liquids (e.g., tea, coffee), strongly staining substances (e.g., red wine, iodine, spices) may leave slight staining on light-colored surfaces. To avoid permanent staining, these stains must be removed immediately.

[6] Consider details (e.g., Classification report, Official Journal of the European Union); e.g., validity in combination with substrate, adhesive system

[7] CWFT-Certified without further testing – see Official Journal European Union

[8] Expected building material class (no classification report available)

PROPERTY	DESCRIPTION
Safety data sheet	RESOPAL HPL Traceless Premium panels are not hazardous substances within the meaning of the Chemicals Act / no special labeling or safety data sheet is required.
Stability and reactivity information	
Stability	RESOPAL HPL Traceless Premium panels are stable and durable; it is neither reactive nor corrosive
Hazardous/dangerous reactions	None
Incompatibility	Strong acids or alkaline solutions may damage the surface
Fire and explosion protection data	
Ignition temperature	approx. 400 °C
Flashpoint	None
Thermal decomposition	Possible above 250 °C. Toxic gases (e.g. carbon monoxide, ammonia) may arise depending on the fire conditions (temperature, oxygen content, etc.)
Smoke and toxicity	RESOPAL HPL Traceless Premium panels can be used in areas where smoke and toxicity is controlled
Flammability	RESOPAL HPL Traceless Premium panels are classified as non-flammable. It only burns in real fires in which open flames are present.
Extinguishing agent	Class A
Explosion hazards	Dust class ST-1
Explosion limits	Maximum dust concentration 60 mg/m³
Electrostatic behaviour	It minimizes the generation of charges due to contact separation or friction with another material. It does not need to be grounded. The surface resistance is between 10^9-10^{12} Ohm and the chargeability is V < 2 kV according to EN 61340-4-1, making RESOPAL HPL Traceless Premium an antistatic material.

5. CERTIFICATIONS AND TESTS

Table 4: Certifications and test reports

PROPERTY	TEST METHOD	UNIT	HGS	HGF	BTS
Fire behaviour [6]	EN 13501-1	Building material class	D-s2, d2 [8]	C-s2, d2	no classification report available
Formaldehyde Emission	EN 16516	Classification	E1 (≤ 0.1 ppm)		
Emission VOC (Volatile organic compounds)	ISO 16000-9	Emission class according to French regulation (Décret no 2011-321)	A+ (scenario wall)		A (scenario wall)
DE-UZ 76 (Blue Angel)	EN16516 ISO 16000 Blue Angel (DE-UZ 76)	Conclusion	Pass emission requirements according to DE-UZ 76 (“low emission panel materials for interior design”) are met		no attestation available
Declaration of harmlessness Food Safe	EN 1186 EN 13130 CEN/TS 14234	Contact with food	Yes		
Environmental product declaration (EPD) [9]	ISO 14025 DIN EN 15804	Available	Yes		
Antibacterial effect [10]	JIS Z 2801 ISO 22196	Reduction in %	99.9		
PEFC [11]		Certification	Upon request		
FSC® [11]		Certification	Upon request		
Allergy-friendly products	ECARF quality label	Allergy-friendly Certification	ECARF – certificate allergy friendly quality confirmed		

[9] Environmental product declaration (EPD-ICL-20220238-CBE1-EN), dated 18.11.2022

[10] Information Sheet Biocidal Regulation EU Nr. 528/2012

[11] Please specify with your order

6. TRANSPORT AND STORAGE

RESOPAL HPL Traceless Premium panels must be transported and stored flat, horizontal, with full-surface contact and on a sufficiently large pallet.
RESOPAL HPL Traceless Premium panels are not dangerous goods as defined by transport regulations, therefore labeling is not required.

Panels must be stored in a closed storage area under normal indoor conditions (10–30 °C and 40–65 % relative humidity), and protected against moisture and mechanical damage, with suitable protection. The protection placed on top of the pallet must be maintained whenever panels are removed from the stack. If the panels are stored for a long period of time, ensure flat storage, and place a panel on top to weigh on the laminates, otherwise the panels may warp or deform. In case of vertical storage, we recommend an inclined position at 80° with full-surface support and a counter bearing on the floor to prevent slipping.

If the protective film remains on the surface during processing, the processor is responsible for carrying out a preliminary machinability test.
This does not dispense the customer in any way from a prior incoming goods inspection.
The shelf life of the protective film is a maximum of 6 months after the date of delivery.

7. HANDLING AND MACHINING

Before starting, please inspect the product for damage and defects between panels prior to cutting or installation (including color and texture) and ensure that the production direction is considered. The product direction has an influence on the dimensional change as well as on mechanical strength and can have an influence on the appearance due to the reflection of light.
Due to the product-specific differences in production technologies (e.g., RESOPAL Compact, RESOPAL HPL or RESOPAL Traceless Faced Board etc.), even identical decor, structure or core board combinations can result in slight optical and tactile deviations across different product groups and formats.

The usual safety regulations regarding dust removal and fire protection must be observed when processing RESOPAL HPL Traceless Premium panels. Due to possible sharp edges, protective gloves should always be worn when handling RESOPAL HPL Traceless Premium panels. Contact with dust does not cause any issues; nevertheless, there are a limited number of people who may have an allergic reaction to processing dust of all kinds (and therefore also to HPL dust).

RESOPAL HPL Traceless Premium panels are wood/cellulose-based products, so the dimensions constantly adapt to the climatic environmental conditions. The product can be easily processed with woodworking machines.
Compared to the standard structure, the RESOPAL HPL Traceless Premium panels (type BTS) are slightly harder and more brittle due to the exclusive use of melamine resin. To a certain extent, this may lead to increased tool wear when processing RESOPAL HPL Traceless Premium panels (type BTS). For a suitable tool recommendation of your individual machining please contact the tool manufacturer directly.

When RESOPAL HPL Traceless Premium panels (type BTS/deep black HGS) are installed in combination with standard phenolic RESOPAL HPL, it may be necessary to ensure that there is no colour variation between the two products.

RESOPAL HPL Traceless Premium panels are not postformable.

7.1 MANUFACTURING OF BONDED BOARDS

RESOPAL HPL Traceless Premium panels and the substrates must be stacked and conditioned together before processing (≥ 3 days). A good conditioning is achieved in a moderate interior climate (18–25 °C and 40-65 % relative humidity). These conditions are also recommended for the location where the product will be later used. If the composite element to be manufactured will be exposed to consistently low or high humidity during its subsequent use, it is advisable to expose the HPL and substrate to a correspondingly low or high level of humidity or increased temperature during conditioning.

The following adhesives can be used to adhere RESOPAL HPL Traceless Premium to a wood substrate:

Dispersion adhesives	e.g., PVAc (polyvinyl acetate) adhesive
Condensation resin adhesives	e.g., urea resin adhesives
Hotmelt adhesives	
Contact adhesives	

The use of the right adhesive is of particular importance from a technical point of view, but also from an allergology and health point of view. If possible, low-pollutant adhesives should be used (such as dispersion adhesives) that evaporate quickly. If technically necessary, all other adhesives can also be used, but longer evaporation times must then be observed.

Adhesives require special care during processing and storage. Therefore, the guidelines and processing instructions of the adhesive manufacturer must be observed. Basically, test bonding must be carried out according to the respective application and requirements for the bonded board.

Tension-free composite elements are most safely produced at press temperatures of 20 °C. Higher press temperatures allow for a reduction in setting time. As the dimensional changes of RESOPAL HPL Traceless Premium panels compared to the substrate are temperature-dependent, press temperatures should not exceed 60 °C to avoid increased tension. We recommend a cold pressing process of the panels at 20 °C to avoid unnecessary tension on composite elements. When hot pressing, press temperatures should not exceed 60 °C.

Regarding selecting the proper adhesive for RESOPAL HPL Traceless Premium panels, we recommend following the technical advice of the manufacturer/processor.

7.2 BACKER

When manufacturing bonded board with RESOPAL HPL Traceless Premium panels, it is especially important to ensure that tension is equalized in the composite element.

In addition, RESOPAL HPL Traceless Premium of both sides must be subjected to the same temperature and humidity conditions and should be cut in the same production direction (sanding direction). We always recommend a symmetrical structure (including protective film). This must be considered especially when using self-supporting or non-structurally supported composite elements (e.g., furniture doors) and for HPL with melamine colored core (type BTS).

In case of non-self-supporting or structurally supported composite elements (e.g., wall cladding) under normal conditions (18–25°C and 40-65 % relative humidity), asymmetrical composite elements can be produced by using another HPL panel of the same type of core and thickness.
It is recommended that only substrates with a thickness of ≥ 18 mm are used to produce non-symmetrical elements. The correct balancing depends even on the thickness, the usage and the mounting type of RESOPAL Bonded Boards.
The production of non-symmetrical elements is the responsibility of the processor. For non-symmetrical composition, we recommend preliminary tests to check feasibility regarding the respective application.

The protective film must be removed simultaneously on both sides.

More information on the handling and machining of RESOPAL HPL Traceless Premium can be found in the technical handbook in chapter General Processing recommendations for RESOPAL HPL.

8. CLEANING AND CARE

RESOPAL HPL Traceless Premium surfaces do not require special care due to their homogenic and resistant surface, even too many substances/chemicals[12]. Surfaces and edges require no further treatment (e.g., with lacquers, paints, oils, waxes etc.), as they are neither corrosive nor oxidized.

For residue-free cleaning of RESOPAL HPL Traceless Premium surfaces, these four steps must be followed:

01 Choose the appropriate cleaning aids (cloth/sponge/brush) – depending on the structure
Choose the appropriate cleaning agent/solvent – depending on dirt residues
02 Cleaning of the surface with the appropriate cleaning aids and cleaning agents/solvents
03 Rinse of all cleaning agent/solvent with warm water
04 Dry the surface with a soft cloth after cleaning

Clean the entire surface without too much “pressure” to avoid polish marks.

Due to the microstructure of Traceless Premium, it is important to regularly clean the surface according to the above instruction and clean with warm water to avoid the accumulation of dirt and residue of cleaning agent/solvent into the tight structure folding.

In the case of stubborn stains on RESOPAL surfaces with a deep structure or a narrow structural fold (e.g., #TP/#TB), the dirt can be removed using a damp melamine sponge or cloth with the appropriate fiber (e.g., JEMAKO[13] or similar). Other stubborn stains (e.g., varnish) can be removed with organic solvents (e.g., ethanol, isopropanol, acetone, etc.).

Abrasive cleaning aids (e.g., scouring powder, steel wool) must not be used, as these alter the surfaces. At the beginning carry out cleaning tests with each cleaning agent/solvent on non-visible areas.

Strongly staining substances (e.g., mustard, curcuma etc.) may leave slight stains on the surface of RESOPAL HPL Traceless Premium panels. To avoid permanent staining these stains must be removed immediately[5].

[12] Data Sheet Resistance RESOPAL HPL, Data Sheet Resistance to Disinfectant RESOPAL HPL
[13] Data Sheet Cleaning and care introduction tested cleaners

The visual perception of traces of daily use (e.g., gloss deviations, dirt, and grease stains etc.) are influenced by the decor and surface texture. The traces of use are more visible on smooth surfaces and become even more visible in combination with dark decors.

Due to the surface hardness of Traceless Premium, it is possible to remove "traces of daily use [14]" with the help of a microfiber cloth or a melamine sponge (magic sponge).

For further information, please refer to the technical data sheet on cleaning and care of RESOPAL melamine and acrylic surfaces.

9. SUSTAINABILITY AND ENVIRONMENT

Resopal is certified according to EN ISO 14001 and EN ISO 50001.

RESOPAL HPL Traceless Premium is a cured, and therefore inert, duroplast. The formaldehyde emission complies with the limit value of 0.1 ppm according to EN16516 (equivalent to 0.05 ppm according EN717-1) and according to German requirements (Chemikalienverbotsverordnung).

Furthermore, the emissions of volatile organic compounds (VOC) are so low that, depending on the test scenario, the following classifications according to the French VOC regulation have been given by Eurofins test reports:

Class A+ for brown phenolic core (HGS/HGF) and extra black core (HGS)
(with the test scenario for walls with a loading factor of 1.0 m²/m³)

Class A for melamine core BTS
(with the test scenario for walls with a loading factor of 1.0 m²/m³)

RESOPAL HPL Traceless Premium panels panels are suitable for direct contact with all foodstuffs and can be used in food processing.

The Environmental Product Declaration (EPD) outlines HPL's excellent environmental properties. Using clearly defined parameters, it provides quantitative, verified, and objective information about the effects of HPL on the environment and could be used for sustainable building certification. (e.g., DGNB, LEED, BREEAM). The entire lifecycle of HPL (raw material extraction, production, transport, use, disposal) is taken into consideration.

RESOPAL HPL Traceless Premium panels can be offered as a PEFC or FSC® certified product on request. In addition, all the paper used (core paper and decorative paper) comes from uncontroversial or controlled sources and meets the requirements of EUTR Regulation (EU) No. 995/2010. According to International Standard ISO 14021–2016, RESOPAL HPL Traceless Premium panels (thickness 0.8 mm - 1.0 mm/ except flame-retardant, HPL with phenolic extra black core type HGS and melamine colored core type BTS) contain 20% of "post-consumer" recycled content.

RESOPAL HPL Traceless Premium panels are articles and not a chemical substance, therefore the REACH regulation is not applicable. However, it is important to ensure the exchange of information between Resopal and the raw material suppliers regarding REACH-relevant components (for more information, please refer to the REACH statement). We hereby confirm that no substance from the

[14] Traces of daily use are only superficial and visual changes (no scratches) that occur due to daily use, wear, and tear, aging or use under normal conditions. Scratches, which are deeper in the structure, caused by abrasive agents, pointed or sharp objects, are irreversible damage to the surface RESOPAL Traceless Premium.

Candidate List is used in our above-mentioned product in a quantity requiring information (≥ 0,1% w/w) and that we comply with the requirements of Annexes XIV and XVII of the REACH Regulation.

10. DISPOSAL AND ENERGY RECOVERY

RESOPAL HPL Traceless Premium panels can be disposed of at controlled waste disposal facilities (e.g., landfills) that comply with the applicable national and regional regulations. According to the European Waste List Regulation, HPL/Compact waste is classified with code 030105 (wood wastes) or 200301(mixed municipal waste).

RESOPAL HPL Traceless Premium panels are particularly suitable for thermal recycling due to its high calorific value (18–20 MJ/kg). During complete combustion at 700 °C, the boards burn to form water, carbon dioxide and nitrogen oxides. Therefore, RESOPAL HPL Traceless Premium panels meets the requirements for energy recovery according to §8 of the German Recycling Management Act. The conditions for good combustion are met in modern, officially approved industrial incineration facilities. The ashes from these incineration processes can be taken to controlled landfills.

11. OVERVIEW OF TECHNICAL DOCUMENTS

General
Resopal Brochure INFOBOOK
Technical Manual – General Processing Recommendations for RESOPAL HPL
HPL Compendium

Certifications and test reports
Declaration of Conformity RoHS
Classification Report EN 13501-1; C-s2, d2
Test Report VOC Indoor Air Comfort Gold A+
Attestation RAL DE-UZ 76 Blue Angel
Expert opinion antibacterial efficiency ISO 22196 JIS Z2801
Information sheet biocidal regulation
Certificate of Compliance ISEGA (contact with food harmless)
ECARF Certificate

Cleaning and Care
Data Sheet cleaning and care of Resopal melamine and acrylic surfaces
Data Sheet Cleaning and care instructions tested cleaners
Data Sheet Resistance to Disinfectant RESOPAL HPL

Sustainability and environmental
Environmental Product Declaration (EPD) for HPL (ICDLI)
Environmental Product Declaration (EPD) – Explanation of the EPDs (ICDLI)
Certificate PEFC
Certificate FSC®
Statement recycled ratio ISO 14021
Certificate EN ISO 9001
Certificate EN ISO 14001
Certificate EN ISO 50001
Environmental data sheet LEED
Environmental data sheet BREEAM
Environmental passport RESOPAL HPL Traceless Premium
Regulation REACH
Customer information on melamine as SVHC substance