

## Data Sheet

# Chemical Resistance of RESOPAL®-HPL

The following is a survey of the resistance (at room temperature) of RESOPAL®-HPL against often occurring or used substances (solid, dissolved, liquid, gaseous).

More detailed information can be provided by the Resopal GmbH.<sup>1)</sup>

### Section 1

HPL are resistant against the following substances and reagents. These chemicals do not influence the RESOPAL®-HPL surface even after a longer exposure time (16 hours according to EN 438-2, clause 26 or ISO 4586).

**Solvents:** e.g. Acetone, Alcohols, Dimethylformamide (DMF), Dimethylsulphoxide (DMSO), Tetrahydrofuran (THF), Terpentine, Gasoline

**Organic Acids:** e.g. Acetic acid, Citric acid, Benzoic acid

**Alkalines up to 10%:** e.g. Ammonia, Caustic soda, Potassium hydroxide

**Inorganic Salts:** e.g. Table salt, Gypsum, Cement

**Organic Substances:** e.g. Amines, Formaldehyde, Phenol

**Household Chemicals:** e.g. Cosmetics, Nail lacquer, Lipstick, water soluble Adhesives, Ink, Domestic cleaners and Detergents, Coffee, Tea

### Section 2

RESOPAL®-HPL surfaces are not changed\* when any of the substances (liquid or gaseous) in the following list are spilled and come in contact with the HPL surface for a short time. That means the chemical must be removed with a damp cloth, cleaned with water and a dry cloth within about **10-15 minutes**.

\* Some decor colours are sensitive to acids due to the kind of pigments used. This can result in a change of the colour and/or decrease in gloss. Please contact the HPL supplier about the choice of colour and surface performance of the laminate.

**Inorganic Acids up to 10%:** e.g. Phosphoric acid, Nitric acid, Hydrochloric acid, Sulphuric acid

**Alkalines in concentration over 10%:** e.g. Caustic soda, Potassium hydroxide; industrial cleaners containing alkalines

**Staining inorganic salts:** e.g. Ferric chloride, Potassium chromate, Potassium di-chromate, Potassium permanganate

**Organic Dyes:** e.g. Crystal violet (Gentian violet), Methylene blue

1) RESOPAL®-HPL with enhanced chemical resistance are also available for special application, e.g. laboratory benchtops.

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

### Section 3

Spillage from the following substances must be **immediately** removed because they can cause dull and coarse-grained marks on the RESOPAL®-surface, even after a very short time.

**Inorganic Acids in concentration over 10%:** e.g. Phosphoric acid, Nitric acid, Hydrochloric acid, Sulphuric acid, Hydrofluoric acid, Aqua regia, industrial cleaners containing inorganic acids

**Adhesives** (chemically hardened)

### Section 4

The following aggressive gases and vapours result in changes of the RESOPAL®-surface.

**Aggressive Gases:** e.g. Bromine, Chlorine, Nitrous fumes, sulphure oxide gases