

# RESOPAL SPASTYLING® BOARD

## TECHNICAL DATA SHEET









### 1. Material description and composition

Both sides of the RESOPAL SpaStyling® BOARD consist of a 0.8 mm decorative high-pressure laminate (HPL). RESOPAL®-HPL is a decorative high pressure laminate (HPL) for interior application and fulfils the conditions of EN 438-3 normative "classification and specifications for high-pressure laminates less than 2 mm thick intended for bonding to supporting substrates".

These are water-proof bonded to the 6.2 mm thick water-proof composite core material. These boards are characterised by excellent rigidity and toughness but with light surface weight. For use in moist surroundings this material evidences good dimensional stability and is free of rotting and other degeneration processes. RESOPAL SpaStyling® BOARD is available in size 3050 mm x 1320 mm.

### 2. Technical data

| Technical data    |  | Structure |  |
|-------------------|--|-----------|--|
| Dimensions        | 3050 mm x 1320 mm  |           | <p>1<br/>Surface layer:<br/>RESOPAL HPL 0.8 mm</p> <p>2<br/>Substrate:<br/>composite core material<br/>6.2 mm</p> <p>3<br/>Balancing:<br/>RESOPAL HPL 0.8 mm</p> |
| Element thickness | 7.8 mm   |           |  |
| Tolerances        | flatness:<br>3 mm/m<br><br>thickness:<br>± 0.5 mm<br><br>length and width:<br>± 5 mm |           |  |

| Classifications   | Testing method norm                 | Assessment in line with norm                   |
|---|-------------------------------------|--|
|  HPL surface                             | EN 438                              | Extremely impact resistant                     |
|  wear resistance                         | EN 438-2                            | IP ≥ 150 U                                     |
|  resistance to impact                    | EN 438-2                            | ≥ rating 3                                     |
|  Reaction to fire                        | DIN 4102-1                          | B2   |
|  Resistance to staining of surface layer | EN 438-2                            | Group 1 + 2: rating ≥ 5<br>Group 3: rating ≥ 4 |
|  lightfastness                           | EN 438-2                            | grey scale rating: ≥ 4                         |
|  Surface resistance (anti-static)       | DIN 61340-2-3<br>(no static charge) | 10 <sup>9</sup> -10 <sup>12</sup> ohm          |
|  Formaldehyde emission                 | EN 717-2                            | E1   |
| Weight  |                                     | 6 kg/m <sup>2</sup>                            |

### 3. Recommended use of RESOPAL SpaStyling® BOARD

RESOPAL SpaStyling® BOARD is designed with decorative and functional properties for interior application in wet (shower, bath, washstand, WC etc.) and residential areas. RESOPAL SpaStyling® BOARD is recommended for use only indoors with normal ambient conditions (18-25°C / 50-65% relative humidity).

### 4. Storage and transportation

There is no need for special storage or transportation arrangements.

RESOPAL SpaStyling® BOARDS should be stored on a horizontal, flat, level and sufficiently large base (e.g. palette) in a closed warehouse under normal indoor ambient conditions (18-25°C and 50-65% relative humidity). In addition RESOPAL SpaStyling® BOARDS should be protected from moisture and mechanical damage. RESOPAL SpaStyling® BOARDS on palettes should always be covered and weighted.

RESOPAL SpaStyling® BOARDS should be transported on a horizontal, flat, level and sufficiently large base (e.g. palette) with protection against slipping. In addition the RESOPAL SpaStyling® BOARDS should be protected from moisture and mechanical damage.

In terms of transportation conditions RESOPAL SpaStyling® BOARDS are not deemed to be dangerous goods, so labelling is not necessary.

## 5. Assembly of RESOPAL SpaStyling® BOARD

### 5.1 General remarks

Before laying the boards should be placed for at least 2 days (in winter approx. 3-4 days) in the rooms where they are to be laid under the following climatic conditions on a flat base for acclimatisation. A normal ambient climate is required (temperature 18-25°C; relative humidity 50-65%). These climatic conditions should then be maintained in the rooms.

Laying RESOPAL SpaStyling® BOARD is covered by relevant national norms and guidelines, instructions for use from RESOPAL SpaStyling® BOARD and recognised trade regulations.

The bonding side of RESOPAL SpaStyling® BOARD designed for laying on wall substrates should be clean, dry and free of dust, oil and grease. Other preliminary treatment depends on the type of adhesive, and therefore it is always necessary to observe the instructions for use issued by the adhesive manufacturer.

### 5.2 Wall substrate

RESOPAL SpaStyling® BOARDS can be bonded to various types of plaster (gypsum and cement plaster), dry mortar-less sub-surfaces (plasterboard and gypsum fibreboard), various types of wood (particleboard flooring, OSB board etc. - warning: wood is not allowed for use as substrate for compound seals) and on available stone and ceramic surfaces (before laying carry out thorough cleaning) either full-surface or in strips.

In line with recognised trade regulations and technological standards the wall substrate must be dry, clean, stable and level (max.  $\pm 2$  mm height difference over 2 m).

If the substrate has been treated in advance with a compound seal, further preliminary treatment is unnecessary - in this case compound seal and adhesive must be compatible. Loose, absorbent substrates not requiring a compound seal may need to be strengthened with primer/undercoat.

### 5.3 Laying RESOPAL SpaStyling® BOARD

RESOPAL SpaStyling® BOARDS are available as large-format elements in size 3050 mm x 1320 mm that should be used for cutting out the dimensions required.

If large contiguous surfaces are to be covered, the RESOPAL SpaStyling® Boards can be joined by using the RESOPAL SpaStyling® Connection Profile. It is essential for the joint between profile and RESOPAL SpaStyling® BOARD to be water-proof.

When bonding in strips it is important to ensure the distance between adhesive beads does not exceed 250 mm and between adhesive bead and sheet edge does not exceed 30 mm. Furthermore it must be checked that the wall is not hollow, if RESOPAL SpaStyling® BOARD is intended for walls designed for attachment of other items (wash basin, WC etc.).

After attaching all RESOPAL SpaStyling® BOARDS all expansion joints designed to balance shape changes, connections to shower trays and bath tubs should be sealed with silicon mass. In addition it is necessary to seal all narrow RESOPAL SpaStyling® BOARD surfaces against penetrating humidity.

More detailed information for use of RESOPAL SpaStyling® BOARD can be found in the RESOPAL SpaStyling® processing instructions. The version valid at the time of processing and assembly should be consulted.

All the information contained in this product data sheet is based on the latest technological know-how, but does not constitute a guarantee. Indeed we assume no guarantee of suitability for specific areas or purposes of application.