



Regupol®

# TECHNICAL DATA SHEET

## REGUPOL® REGUBOND 100

### PRODUCT DESCRIPTION

Regupol® Regubond 100 is a solvent free, water-borne synthetic polymer based adhesive, formulated in a ready to use blue paste. Characterised by a fast and strong initial grab and a rapid set, as well as a rigid and cohesive final film, it gives the floor coverings a very good dimensional stability.

### APPLICATIONS

Hard set, highly shear resistant, wet-bed dispersion adhesive, specially formulated for Regupol® 4515 / 3912. Also suitable as universal adhesive for all common resilient and textile floor covering types.

For use on floors and walls in interior applications.

### Suitable on:

- Level and absorbent surfaces
- Underfloor heating systems

### It can be used for:

- Static and dynamic loads, including intense load, in residential, commercial and industrial sectors (e.g. in hospitals, shopping centers, airports, etc.)
- Stresses from chair castors according to EN 12529

### Some application examples:

- Regupol® 4515 Eco, Regupol® 4515 Multi and Regupol® 3912
- Sheet and tile rubber flooring with smooth or textured surfaces
- Homogeneous and heterogeneous PVC floor coverings, sheets and tiles
- PVC and multilayer PVC floor coverings
- LVT (Luxury Vinyl Tiles)



### Also suitable as universal adhesive for bonding:

- Textile floor coverings with all common backings (latex-primed, PVC and polyurethane foam, natural jute and Action-Bac® backed carpets, etc.)
- Needle-punch woven flooring also in latex
- Flocked flooring
- Semi-flexible vinyl floor tiles (VCT)
- Linoleum with natural jute backing
- Polyurethane, polyolefin and synthetic back linoleum flooring
- Polyolefin-based and chlorine-free floor coverings;
- PUR floor coverings;
- PVC and rubber wall coverings

## TECHNICAL DATA (TYPICAL VALUES)

### Product identity

Consistency	Creamy paste
Colour	Blue
Density (g/cm <sup>3</sup> )	1.25
pH	8

For further information please refer to the Safety Data Sheet

### Application data (at +23°C - 50% R.H.)

Application temperature range	From +15°C to +35°C
Waiting time	5-10 minutes
Open time	20-30 minutes
Set to light foot traffic	3-5 hours
Ready for use	24-48 hours

### Final performance data

PEEL 90° adhesion test according to EN 1372 (N/mm) - Homogeneous PVC - Heterogeneous PVC - Smooth rubber - Linoleum - Carpet with Action Bac®	In compliance with EN 14259
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- Very good dimensional stability
- Prevents open joints
- Exposure to castor wheels in accordance with DIN EN 12529
- Solvent free
- Non-flammable
- Harmless to the health of the installer and the end-user

### RECOMMENDATIONS

- Install in recommended temperatures, normally between +15°C and +35°C
- Do not install on substrates not protected from rising damp

Please contact our Technical Department for further advice if your application involves extreme temperatures from solar radiation, intense mechanical stresses (lift truck etc.) or moisture from above when floor coverings are not welded or sealed.

## APPLICATION PROCEDURE

### Preparing the substrate

Substrates must be dry, absorbent, level, sound, mechanically strong, free of dust, loose particles, cracks, paints, wax, oil, rust, traces of gypsum or other products that can interfere with bonding.

On non-absorbent substrates, apply a smoothing compound to a minimum thickness of 3mm.

Commonly, the moisture content must be maximum of 2-2.5% weight for weight in cementitious substrates and a maximum of 0.5% weight for weight in gypsum or anhydrite-based substrates.

The regulations of each country must be strictly followed.

It is essential to make sure there is no rising damp present. Unbonded screeds laid over lightweight concrete or over insulation and screeds laid directly onto earth must be separated by a vapour barrier to prevent rising damp.

### Acclimatisation

Before starting the installation, make sure that the floor or wall covering and the substrate are acclimatised to the recommended temperatures and Relative Humidity.

### Spreading the adhesive

Regupol® Regubond 100 is ready to use and does not need any preparation. Before using, stir the adhesive in the bucket.

Apply the adhesive evenly to the substrate with a suitable notched trowel.

When installing thin wall coverings, a long nap roller may be used as an alternative (ensure the wetting of the backing material).

### Installing the flooring

Follow the manufacturer's instructions. Leave a waiting time according to the application quantity, climatic conditions, substrate absorbency and type of covering.

Only apply as much adhesive as can be covered within the open time and with good transfer to the backing of the covering.

Lay the floor covering whilst still wet: the adhesive ridges has to be impressed.

Take care to avoid air pockets and carefully rub the floor covering down to ensure good adhesive transfer to the backing. Avoid excessive stress at the seams.

After some minutes installing the floor covering, it is always necessary to carefully roll it down again or to firmly rub it down.

### Damp Subfloors

The Relative Humidity (RH) of the subfloor can be measured using the Digital Hygrometer. Where the RH value is greater than 75% an appropriate Waterproof Surface Membrane should be applied.

**Note:** waiting and open time may vary depending on temperature, relative humidity and absorbency of the substrate. They will be shorter at higher temperatures and lower humidity, but longer at lower temperatures, higher humidity and with low absorbent substrates.

### Cleaning

While still wet, Regupol® Regubond 100 can be cleaned from floor coverings, tools, hands and clothing with water. When dry, clean with alcohol or a suitable solvents.

## CONSUMPTION

Consumption varies with uniformity of substrate, the back of the flooring and type of trowel used.

<b>Roller</b>	approx. 200 g/m <sup>2</sup>
<b>Notch TKB A1/A2</b>	approx. 200-300 g/m <sup>2</sup>
<b>Notch TKB B1</b>	approx. 300-350 g/m <sup>2</sup>
<b>Notch TKB B2</b>	approx. 350-450 g/m <sup>2</sup>

## PACKAGING

Regupol® Regubond 100 is available in 15kg lidded buckets.

## STORAGE

Under normal conditions, Regupol® Regubond 100 is stable for at least 12 months in its original sealed packaging.

Protect from frost.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Regupol® Regubond 100 is not considered dangerous according to the current regulation regarding the classification of mixtures.

It is recommended to wear protective gloves and goggles and to take the usual precautions for handling chemicals.

For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet.

Keep out of reach of children.

Ensure good ventilation during and after application and drying.

Avoid eating, drinking or smoking while processing this product.

In case of contact with eyes or skin rinse immediately with plenty of water.

Do not allow product to reach sewage system or any water course.

Do not allow to penetrate the ground/soil.

Clean tools with soap and water immediately after use.

Only properly emptied containers may be recycled.

Dried product residues can be disposed of as normal household waste.

Contains 1,2 – benzisothiazol-3(2H) –one and reaction of mass of: 5-chloro-2-methyl-isothiazol-3-one and 2-methyl-2H – isothiazol-3-one.

May produce an allergic reaction.

## PRODUCT FOR PROFESSIONAL USE ONLY.