WHERE TO USE
Hard set, highly shear resistant, wet-bed dispersion adhesive, specific for PVC and rubber floorings on absorbent substrates. Suitable also as universal adhesive for all common resilient and textile floor covering types. For use on floors in interior applications. Suitable on:
– level and absorbent surfaces;
– underfloor heating systems.

Some application examples
Use Ultrabond Eco VS90 Plus for bonding:
• sheet and tile rubber flooring with smooth or hammered surface;
• homogeneous and heterogeneous PVC floor coverings, sheets and tiles;
• CV and multilayer PVC floor coverings;
• LVT;
• semi-flexible vinyl floor tiles.

Also suitable as universal adhesive for:
• textile floor coverings with all common backings (latex-primed, PVC and polyurethane foam, natural jute and Action-Bac® backed carpets);
• needlepunch woven flooring also in latex;
• flocked flooring;
• linoleum with natural jute backing;
• polyurethane, polyolefin and synthetic back linoleum flooring;
• polyolefin-based and chlorine-free floor coverings;
• PUR floor coverings.

TECHNICAL CHARACTERISTICS
Ultrabond Eco VS90 Plus is a solvent free, acrylic adhesive in water dispersion, formulated in a ready to use light beige paste. Characterised by a fast and strong initial grab and a rapid set, as well as a rigid and cohesive final film, it confers the floor coverings a very good dimensional stability.

Product properties:
– very easy to apply;
– little to no waiting time;
– excellent wetting even with difficult covering;
– rapid set development;
– good peel strength;
– highly shear resistant;
– very good dimensional stability;
TECHNICAL DATA (typical values)

PRODUCT IDENTITY

<table>
<thead>
<tr>
<th>Consistency:</th>
<th>creamy paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>beige</td>
</tr>
<tr>
<td>Density (g/cm³):</td>
<td>1.25</td>
</tr>
<tr>
<td>pH:</td>
<td>8</td>
</tr>
<tr>
<td>– EMICODE:</td>
<td>EC1 Plus - very low emission</td>
</tr>
<tr>
<td>– Blauer Engel:</td>
<td>RAL-UZ 113</td>
</tr>
</tbody>
</table>

For further information please refer to the Material Safety Data Sheet

APPLICATION DATA (at +23°C - 50% R.H.)

<table>
<thead>
<tr>
<th>Application temperature range:</th>
<th>from +15°C to +35°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waiting time:</td>
<td>0-10 minutes</td>
</tr>
<tr>
<td>Open time:</td>
<td>20-30 minutes</td>
</tr>
<tr>
<td>Set to light foot traffic:</td>
<td>3-5 hours</td>
</tr>
<tr>
<td>Ready for use:</td>
<td>48-72 hours</td>
</tr>
</tbody>
</table>

FINAL PERFORMANCES

<table>
<thead>
<tr>
<th>PEEL 90° adhesion test according to EN 1372 (N/mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>– homogeneous PVC:</td>
</tr>
<tr>
<td>– heterogeneous PVC:</td>
</tr>
<tr>
<td>– rubber:</td>
</tr>
<tr>
<td>– linoleum:</td>
</tr>
<tr>
<td>– carpet with Action Bac®:</td>
</tr>
<tr>
<td>&gt; 1.5</td>
</tr>
<tr>
<td>&gt; 1.5</td>
</tr>
<tr>
<td>&gt; 1.5</td>
</tr>
<tr>
<td>&gt; 1.5</td>
</tr>
<tr>
<td>&gt; 0.5</td>
</tr>
</tbody>
</table>

- prevents open joints;

- exposure to castor wheels in accordance with DIN EN 12529;

- solvent free;

- non-flammable;

- EMICODE EC1 Plus (very low emission);

- Blauer Engel - RAL-UZ 113;

- 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 that are subject to rising damp.

- Use Adesilex G19 or Adesilex G20 in the event of extreme temperatures due to solar radiation, intense mechanical stress by lift truck, forklift, etc. or moisture from above (in particular when the floor coverings are not welded or sealed).

- In case of multilayer cork planks with PVC backing, use Ultrabond Eco 310.

APPLICATION PROCEDURE

Preparing the substrate

Substrates must be dry, 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 2 mm.

The regulations of each country must be strictly followed.

Commonly, the moisture content must be as follows: max 2%-2.5% for cementitious substrates, max. 0.5% for gypsum or anhydrite-based substrates.

It is essential to make sure there is no rising damp present. Un-bonded 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.

To repair cracks in the substrate, consolidate and waterproof screeds, form new fast-drying screeds and level uneven substrates, please
dangerous according to the current regulation

is not considered

Ultrabond Eco VS90 Plus

PREPARATION AND APPLICATION

SAFETY INSTRUCTIONS FOR

Avoid prolonged exposure to frost.

in its original sealed packaging.

is stable for at least 12 months

Under normal conditions,

Ultrabond Eco

STORAGE

16 kg drums.

Ultrabond Eco VS90 Plus

is available in

PACKAGING

Ultrabond Eco VS90 Plus is available in

16 kg drums.

STORAGE

Under normal conditions, Ultrabond Eco

VS90 Plus is stable for at least 12 months

in its original sealed packaging.

Avoid prolonged exposure to frost.

SAFETY INSTRUCTIONS FOR

PREPARATION AND APPLICATION

Ultrabond Eco VS90 Plus 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
the handling of chemicals.

For further and complete information about
the safe use of our product please refer to
the latest version of our Material 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.
Product contains: MIT / BIT (1:1) and
CIT/MIT (3:1).

For information for allergic people, please
call at +39/02/37673.1.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and
recommendations contained in this product
data sheet correspond to the best of our
knowledge and experience, all the above
information must, in every case, be taken as
merely indicative and subject to confirmation
after long-term practical application; for
this reason, anyone who intends to use the
product must ensure beforehand that it is
suitable for the envisaged application. In
every case, the user alone is fully responsible
for any consequences deriving from the use
of the product.

Please refer to the current version of the
Technical Data Sheet, available from our
website www.mapei.com