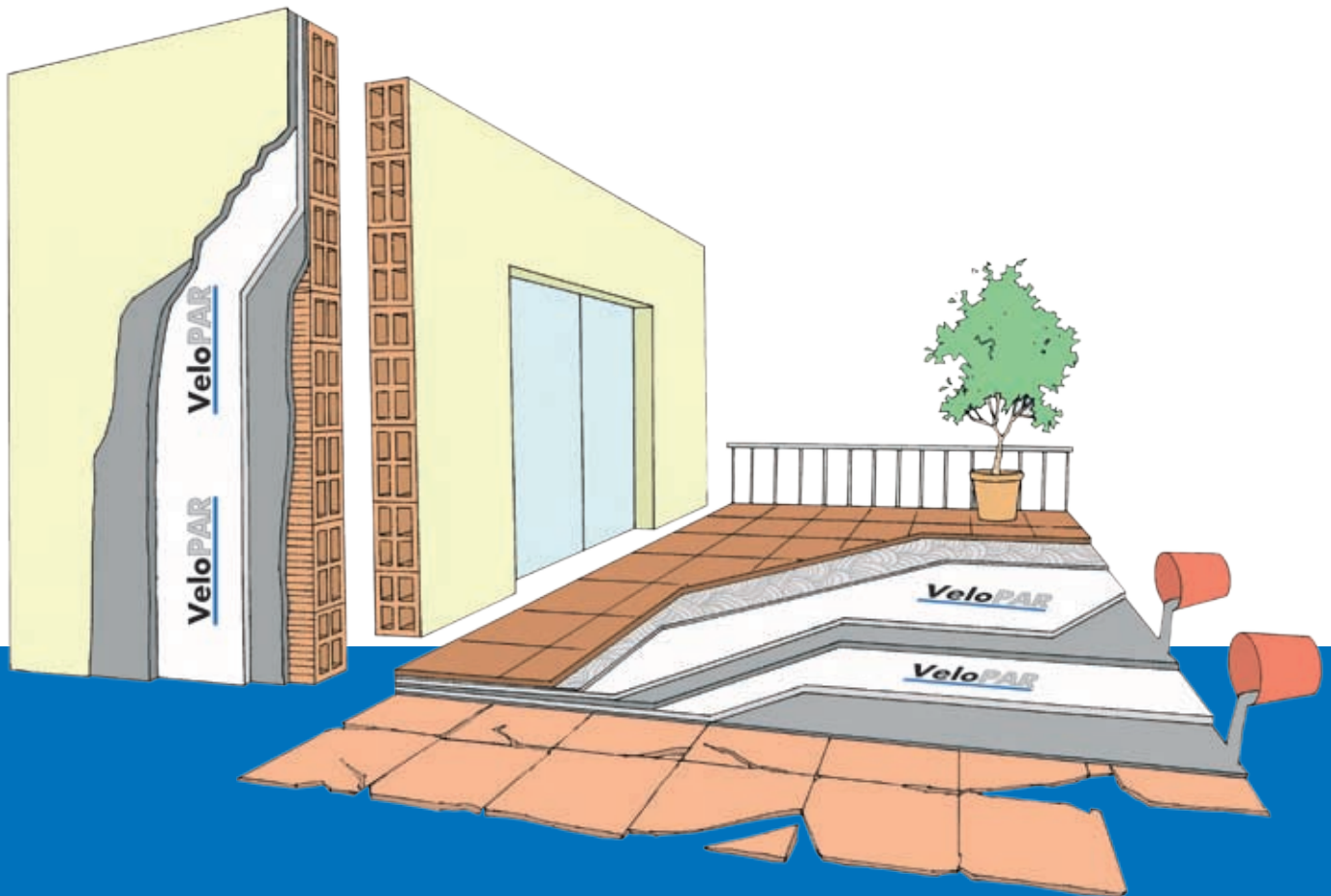




# VeloPAR

## Anti-craze reinforcement and support for liquid waterproofing



- anti allergenic
- rot-proof
- resistant to mildew and rodents
- flexible
- resistant to atmospheric agents
- can be adapted to all surfaces

# Support for liquid applied waterproofing

## APPLICATION OF VELOPAR: NEW CONSTRUCTION / RENOVATION

1. Concrete or existing floor
2. First application of waterproofing chemical
3. **VeloPAR**
4. Second application of waterproofing chemical
5. **VeloPAR**
6. Application of a bonding agent
7. Final flooring

## METHOD OF APPLICATION

1. Apply a thin coat of a liquid waterproofing on the concrete or on the existing floor of balconies / terraces etc.
2. Lay the **VeloPAR** on the liquid waterproofing
3. Apply a thicker coating of the liquid waterproofing
4. Apply a second layer of **VeloPAR** for protecting the underlying system and as a porous support for improving the bonding agent action
5. Apply a coat of a bonding agent with a Ph not higher than 10/11
6. Lay the flooring

Waterproofing systems generally represent one of the most critical areas of construction, since failures can lead to serious problems which could well affect the integrity of the building.

Similarly, such problems may damage external flat surfaces such as balconies and terraces, possibly due to the settling and movement of materials after being laid, or alternatively due to water infiltration at a later stage.

Whilst manufacturers of liquid based waterproofing systems have improved performances of their products during recent years, the ultimate success depends upon the system as a whole ie. design and method of construction.

Currently there are no specific regulations or compliance certifications for such systems, and their integrity is therefore very much reliant upon the experience and expertise of the application engineers.

Freudenberg Politex **VeloPAR** can offer real improvements within this area.

**VeloPAR** is produced with special polyester fibres and due to its flexibility can be adapted to suit most surfaces to be treated.

It acts as a support for water repellent liquids, due to its permeability, as well as a mechanical protection for the waterproof coating.

Thanks to the overall thickness which can be kept to a minimum, **VeloPAR** can be used on existing floors, allowing door-sills to be accommodated.

In the case of older terraces, a new waterproofing system can be applied over the existing floor covering, and thus avoid the need for expensive restructuring work.

# Anti-craze reinforcement

## VERTICAL WALLS: NEW CONSTRUCTION / RENOVATION

1. Masonry
2. Mortar layer
3. **VeloPAR**
4. Finishing coat
5. Paint

## METHOD OF APPLICATION

1. Apply a layer of mortar directly on to the masonry
2. Lay the **VeloPAR** on to the fresh mortar
3. Apply the finishing coat and then paint when dry

➔ In the case of existing structures, firstly remove any loose plaster and then follow procedures 1-3 as above.

## HOW TO LAY VELOPAR CORRECTLY

- Apply **VeloPAR** from above downwards
- Make sure that each sheet of **VeloPAR** has an overlap of at least 10 cm; avoid creating any folds or bubbling within the material

**VeloPAR** offers excellent performances for solving problems linked to material settling movements and to the action of atmospheric agents, factors that can cause significant and visible damage to a structure.

Due to its reduced thickness, its low weight and its elasticity, **VeloPAR** offers an even distribution of stresses and tension, helping to maintain the integrity of the final surface.

Effectively the inclusion of **VeloPAR** will help to control two phenomena namely:

- **In new constructions** **VeloPAR** is laid in correspondence of expansion joints and of the connections pillar-boarding or pillar-beam.
- **On existing structures for renovation and repair works**  
In case of cracking occurring on localized areas of the outside of a building, initially it is recommended to check the size of any cracking with a gauge, to remove the plaster layer down to the masonry prior to carrying out the remedial work. **VeloPAR** can be then laid following the instructions as detailed above.

# Technical datasheet

		<b>VeloPAR</b>		<b>U.o.M.</b>
<b>Weight</b>	EN ISO 9073 - 1	40		g/m <sup>2</sup>
<b>Thickness</b>	EN ISO 9073 - 2	0,49		mm
<b>Tensile strength at break</b>	EN 12311 - 1	MD 70 CD 70	N/5 cm	
<b>Elongation at break</b>	EN 12311 - 1	MD 60 CD 100	%	

## Supply characteristics

		<b>VeloPAR</b>		<b>U.o.M.</b>
<b>Height</b>		130		cm
<b>Lenght</b>		400		mt
<b>Surface</b>		520		m <sup>2</sup>
<b>Diameter</b>		40		cm
<b>Roll weight</b>		21		kg
<b>Pallet (9 rolls)</b>		4680		m <sup>2</sup>

Supply: rolls or pallets.

### SPECIFICATION ITEM

Polyester nonwoven, **VeloPAR** type, with a weight of 40 g/m<sup>2</sup>, produced utilising a mechanical needle punch and thermal stabilization process, without the use of adhesives or other chemical substances, used as a support for plastering and elastomeric, resin and/or bitumen based sheaths.

