LOGICROOF
SINGLE-PLY PVC SYNTHETIC MEMBRANES
MODERN ROOFING SOLUTIONS

Buildings of all types require a durable roof. The roof should have a long service life without substantial repair. Use of long-lasting roofing systems made of synthetic membranes is a modern solution, which combines reliability and rapid installation.

LOGICROOF PVC membranes are high-tech materials, designed for long-term waterproofing of buildings and structures. They are contemporary, reliable and durable waterproofing materials produced using co-extrusion technology - currently the best on the market.

FEATURES

DURABILITY
The main reason for the failure of roofing materials is ageing. LOGICROOF membranes have a 200-μm special protective top layer with highly concentrated stabilizers, which block UV radiation that can harm the structure of the polymer.

INSTALLATION ANYTIME
Installation can be carried out all year round regardless of the season or temperature. LOGICROOF membranes are perfectly designed and can even be welded in cold or wet conditions.

SELF-EXTINGUISHABLE
The plastic compound used in each layer of the membrane contains different types of high-quality flame retardants and fireproof filling. This slows oxidation at high temperatures and prevents the membrane from burning when unexpectedly exposed to sources of ignition.

VIRGIN POLYMERS ONLY
LOGICROOF PVC membranes are produced from virgin polymers. This provides the membranes with the highest stability.

QUICK INSTALLATION
Increased roll width and length ensures the fast installation of the waterproofing membrane with fewer welds on large roofing areas.

DURABLE PACKAGING
Every roll of LOGICROOF membrane is protected in individual UV- and contamination-resistant PE packaging.

APPROVED QUALITY
The high quality of LOGICROOF’s membranes is backed up by the numerous certificates it has received from organisations all over the world.
ROOFING PVC MEMBRANES

Our materials are produced on an advanced automated line using co-extrusion method, which ensures material uniformity.

LOGICROOF V-RP

PVC membrane reinforced with a special polyester mesh. To be installed at a temperature over -20°C.

<table>
<thead>
<tr>
<th>Thickness, mm</th>
<th>1.2</th>
<th>1.5</th>
<th>1.8</th>
<th>2.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile strength L/T, N/50 mm</td>
<td>1100 / 900</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elongation L/T, %</td>
<td>≥ 18</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexibility, ºC</td>
<td>-35</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volume on pallet, m²</td>
<td>945 756 567 567</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LOGICROOF V-RP T

PVC membrane reinforced with a special polyester mesh. T - Special skid-resisting textured surface. To be installed at a temperature over -20°C.

<table>
<thead>
<tr>
<th>Thickness, mm</th>
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LOGICROOF V–RP FB

PVC membrane reinforced with a special polyester mesh. Laminated geotextile fleece on the bottom surface. Designed for use in fully adhered systems. Ideal for renovation.

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<th>Thickness, mm</th>
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<td></td>
</tr>
<tr>
<td>Flexibility, ºC</td>
<td>-30</td>
<td></td>
</tr>
<tr>
<td>Volume on pallet, m²</td>
<td>630 567</td>
<td></td>
</tr>
</tbody>
</table>
**LOGICOOF V-GR**

PVC membrane reinforced with a glass fiber.
Resistant to punctures and damages.
Contains fungicidal additives - plant root penetration resistance.

<table>
<thead>
<tr>
<th>Thickness, mm</th>
<th>1.5</th>
<th>1.8</th>
<th>2.0</th>
<th>2.4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile strength L/T, N/50 mm</td>
<td>800 / 600</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Elongation L/T, %</td>
<td>≥ 200</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexibility, ºC</td>
<td>-30</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volume on pallet, m²</td>
<td>738</td>
<td>553.5</td>
<td></td>
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</tr>
</tbody>
</table>

**LOGICOOF V-GR FB**

PVC membrane reinforced with a glass fiber.
Laminated geotextile fleece on the bottom surface.
Designed for use in fully adhered systems. Ideal for renovation.

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<td>Volume on pallet, m²</td>
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**LOGICOOF V-SR**

PVC membrane without reinforcement (with high elasticity).
It is used for reinforcing and linking of different parts in various roof structures such as pipes and funnels.

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<tr>
<td>Tensile strength L/T, Mpa</td>
<td>16/15</td>
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</tr>
<tr>
<td>Elongation L/T, %</td>
<td>≥ 200</td>
<td></td>
</tr>
<tr>
<td>Flexibility, ºC</td>
<td>-30</td>
<td></td>
</tr>
<tr>
<td>Volume on pallet, m²</td>
<td>420</td>
<td>600</td>
</tr>
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</table>
ROOFING SYSTEMS LOGICROOF

Design of reliable roofing system is based on three main principles: components integrity, substrate or structure durability and careful elaboration of details.

MECHANICALLY FIXED ROOFING SYSTEM

This system provides the fastest installation under varied weather conditions. It is most popular for non-accessible roofs with large surface areas. It has a high level of resilience to strong wind and movement of the structure.

1. Corrugated steel sheet
2. Vapor barrier VAPORSTOP CA 500
3. TECHNOROOF stone wool insulation boards
4. Mechanical fixation
5. LOGICROOF V–RP, LOGICROOF V–RP T

BALLASTED ROOFING SYSTEM

In this system the membrane is protected against UV radiation and life-loads by an upper layer of ballast or paving slabs. It is used for terraces and accessible roofs.

1. Reinforced concrete
2. Primer TECHNONICOL No.01
3. Vapor barrier VAPORSTOP CA 500 or ULTRAFLEX SA 2 mm
4. XPS TECHNONICOL CARBON PROF 300
5. Geotextile 300 g/m²
6. LOGICROOF V–GR
7. Geotextile > 300 g/m²
8. Ballast

FULLY ADHERED ROOFING SYSTEM

This special roofing system is used when mechanical fixation of the membrane to a substrate is not possible or the highest resistance against wind upload is required. This is also a practical solution for roofs renovation.

1. Existing roof system
2. Foam LOGICROOF Spray
3. TECHNONICOL PIR thermal insulation boards
4. Adhesive LOGICROOF Spray
5. LOGICROOF V–RP FB
REFERENCE LIST

Distribution centre Tchibo, Cheb, Czech Republic
LOGICROOF V-RP 1.5 mm | 65.000 m²

Toyota plant, Saint Petersburg, Russia
LOGICROOF V-RP 1.5 mm | 60.000 m²

Hypermarkets OBI, Russia
LOGICROOF V-RP 1.2 mm | 150.000 m²

Olympic Stadium, Moscow, Russia
LOGICROOF V-RP FB 1.8 mm | 40.000 m²

Spartak Moscow stadium, Moscow, Russia
LOGICROOF V-RP 1.2 mm | 36.000 m²

Kurumoch International Airport, Kurumoch, Russia
LOGICROOF V-RP 1.5 mm | 44.000 m²

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