



**TECHNICOL**

**PREMIUM**



# LOGICROOF

SINGLE-PLY PVC SYNTHETIC MEMBRANES

KNOWLEDGE. EXPERIENCE. CRAFTSMANSHIP.

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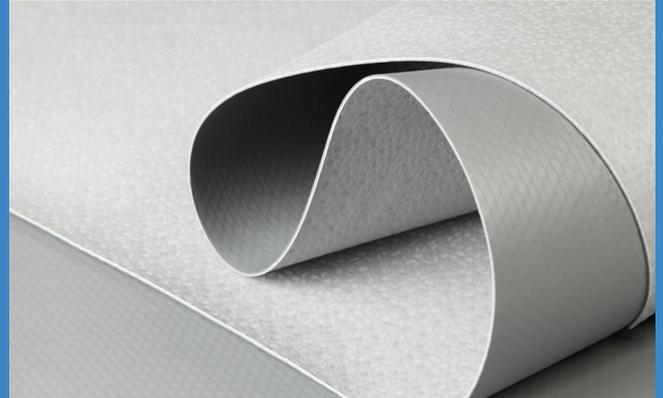
# ROOFING PVC MEMBRANES

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

## LOGICROOF V-RP

PVC membrane reinforced with a special polyester mesh.  
To be installed at a temperature over  $-20^{\circ}\text{C}$ .

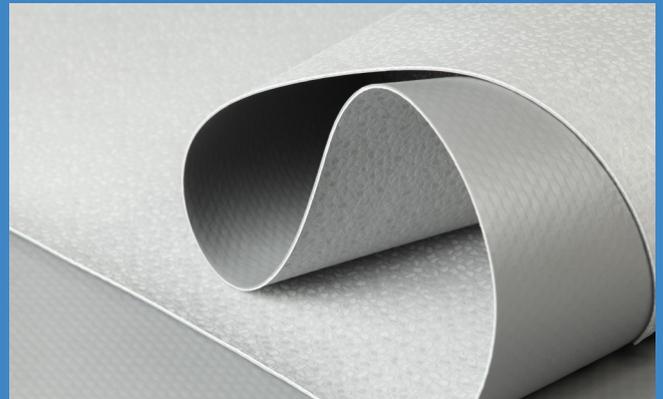
Thickness, mm	1.2	1.5	1.8	2.0
Tensile strength L/T, N/50 mm	1200/1000			
Elongation L/T, %	$\geq 18$			
Flexibility, $^{\circ}\text{C}$	$-35$			
Volume on pallet, $\text{m}^2$	945	756	567	567



## 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  $-20^{\circ}\text{C}$ .

Thickness, mm	1.2	1.5	1.8	2.0
Tensile strength L/T, N/50 mm	1200/1000			
Elongation L/T, %	$\geq 18$			
Flexibility, $^{\circ}\text{C}$	$-35$			
Volume on pallet, $\text{m}^2$	945	756	567	567



## LOGICROOF V-RP-30, T1

PVC membrane reinforced with a special polyester mesh.  
To be installed at a temperature over  $-20^{\circ}\text{C}$ .

Thickness, mm	1.2	1.5	1.8	2.0
Tensile strength L/T, N/50 mm	1200/1000			
Elongation L/T, %	$\geq 18$			
Flexibility, $^{\circ}\text{C}$	$-30$			
Volume on pallet, $\text{m}^2$	945	756	567	567



# PVC MEMBRANES FOR SPECIAL APPLICATION

## LOGICROOF V-GR

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

Thickness, mm	1.5	1.8	2.0	2.4
Tensile strength L/T, N/50 mm	700/600			
Elongation L/T, %	≥ 200			
Flexibility, °C	-30			
Volume on pallet, m <sup>2</sup>	738	553.5		



## LOGICROOF V-GR FB

PVC membrane reinforced with glass-fibre. Special laminated geotextile fleece under layer. Can be produced with special skid-resistant textured surface. Ideal for renovation.

Thickness, mm	1.5	1.8	2.0	2.4
Tensile strength L/T, N/50 mm	700/600			
Elongation L/T, %	≥ 200			
Flexibility, °C	-25			
Volume on pallet, m <sup>2</sup>	553.5			



## LOGICROOF V-SR

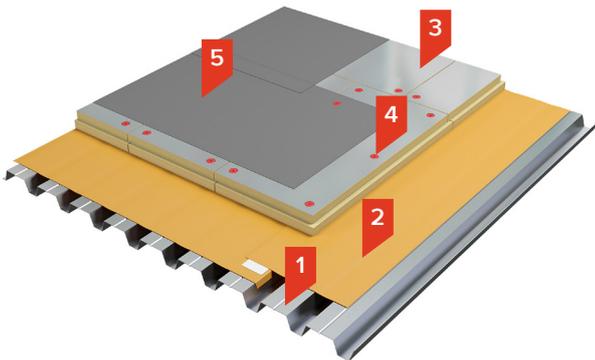
Unreinforced PVC membrane with high elasticity.  
Ideal for use in roof detailing areas and for waterproofing various joints.

Thickness, mm	1.5	1.8
Tensile strength L/T, MPa	16/15	
Elongation L/T, %	≥ 200	
Flexibility, °C	-30	
Volume on pallet, m <sup>2</sup>	420	600



# ROOFING SYSTEMS LOGICROOF

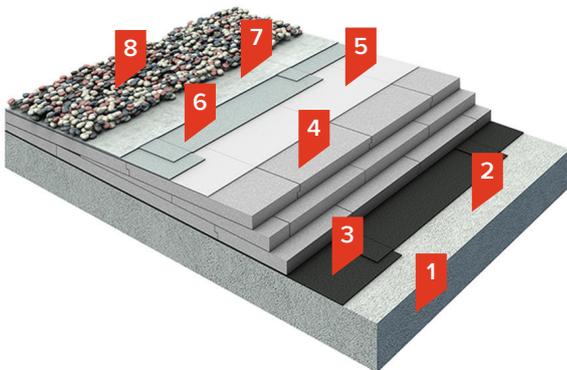
Reliable roofing systems are based on three main principals: the integrity of the roofing materials, the durability of the substrate and careful waterproofing in detail areas.



## 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.

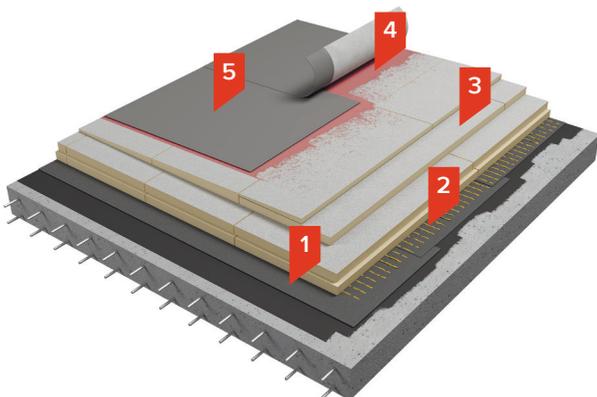
1. Corrugated steel sheet
2. Vapour barrier
3. PIR thermal insulation boards
4. Mechanical fixation
5. LOGICROOF V-RP, LOGICROOF V-RP T



## 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
3. Vapour barrier
4. EPS thermal insulation boards
5. Geotextile 300 g/m<sup>2</sup>
6. LOGICROOF V-GR
7. Geotextile > 300 g/m<sup>2</sup>
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 up-lift is required. This is also a practical solution for roof refurbishment.

1. Existing roof system
2. LOGICROOF FOAM PU Insulation Adhesive
3. PIR thermal insulation boards
4. LOGICROOF Spray PVC Membrane Adhesive
5. LOGICROOF V-GR FB

# MODERN ROOFING SOLUTIONS

Buildings of all types require a durable roof. The roof should have a long service life without requiring substantial repair. Use of long-lasting roofing systems made of synthetic membranes is a modern solution, which combines reliability with 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- $\mu$ m special protective top layer with highly concentrated stabilizers, which block UV radiation that can harm the structure of the polymer.



### INTEGRITY

High quality technical assistance is available for designers, engineers and investors throughout the entire process from design to realisation of a project.



### 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.



### 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.



### VIRGIN POLYMERS ONLY

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



### DURABLE PACKAGING

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

## APPROVED QUALITY

The high quality of LOGICROOF membranes is backed up by the numerous certificates it has received from organisations all over the world.



# PROJECT REFERENCES



Accolade Distribution Centre, Cheb, Czech Republic  
LOGICROOF V-RP 1.5 mm | 65 000 m<sup>2</sup>



Great Amber, Liepaja, Latvia  
LOGICROOF V-RP 2.0 mm | 3 000 m<sup>2</sup>



P3 Park - Hall IX and X, Horní Počernice, Czech Republic  
LOGICROOF V-RP 1.5 mm | 25 000 m<sup>2</sup>



Olympic Stadium, Moscow, Russia  
LOGICROOF V-RP FB 1.8 mm | 40 000 m<sup>2</sup>



Spartak Moscow stadium, Moscow, Russia  
LOGICROOF V-RP 1.2 mm | 36 000 m<sup>2</sup>



Production hall, Vamberk, Czech Republic  
LOGICROOF V-RP 1.5 mm | 9 800 m<sup>2</sup>

