



TECHNONICOL

PREMIUM



LOGICROOF

SINGLE-PLY PVC SYNTHETIC MEMBRANES

KNOWLEDGE. EXPERIENCE. CRAFTSMANSHIP.

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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.



INTEGRITY

Technical assistance for designers, engineers and investors throughout the entire process from design to realization 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'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. Standard membrane colors are white, grey, green, blue, red.

Thickness, mm	1.2	1.5	1.8	2.0
Tensile strength L/T, N/50 mm	≥1100 / 900			
Elongation, %	19			
Flexibility, °C	-35			
Volume on pallet, m ²	945	756	567	567



LOGICROOF V-RP FR

PVC membrane reinforced with a special polyester mesh. It has improved fire performance.

Thickness, mm	1.2
Tensile strength L/T, N/50 mm	≥1100 / 900
Elongation, %	19
Flexibility, °C	-30
Volume on pallet, m ²	945



LOGICROOF V-RP ARCTIC

PVC membrane reinforced with a special polyester mesh. Designed for cold regions.

Thickness, mm	1.2	1.5	1.8	2.0
Tensile strength L/T, N/50 mm	≥1100 / 900			
Elongation, %	19			
Flexibility, °C	-40			
Volume on pallet, m ²	945	756	567	567



LOGICROOF V-GR

PVC membrane reinforced with a glassfiber. Resistant to punctures and damages.

Thickness, mm	1.5	1.8	2.4
Tensile strength L/T, N/50 mm	≥800 / 600		
Elongation, %	200		
Flexibility, °C	-25		
Volume on pallet, m ²	738	553.5	



LOGICROOF V-GR FB

PVC membrane reinforced with a glassfiber with special laminated geotextile fleece under layer. Ideal for renovation.

Thickness, mm	1.5	1.8	2.0
Tensile strength L/T, N/50 mm	≥800 / 600		
Elongation, %	200		
Flexibility, °C	-25		
Volume on pallet, m ²	553.5		



LOGICROOF V-SR

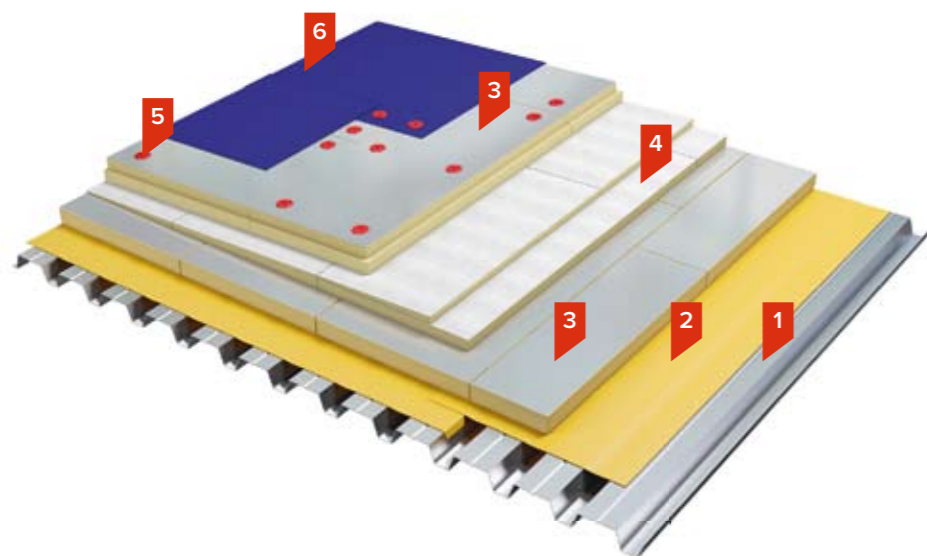
PVC membrane without reinforcement (with high elasticity). It is used for reinforcing and linking of different parts in various roof structures such as pipes and funnels.

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



ROOFING SYSTEMS LOGICROOF

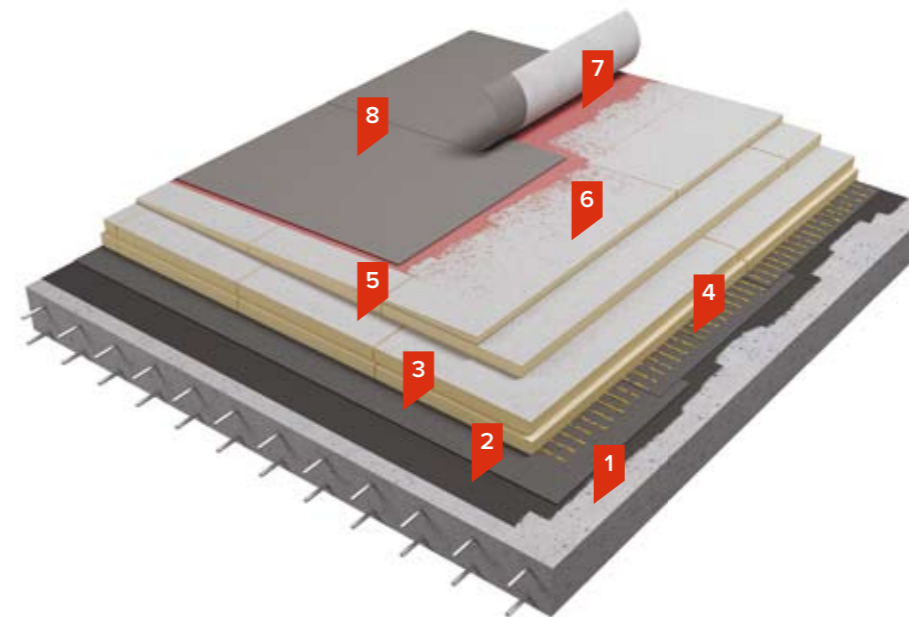
Design of reliable roofing system is based on three main principals: components integrity, substrate or structure durability and careful elaboration of details.



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.

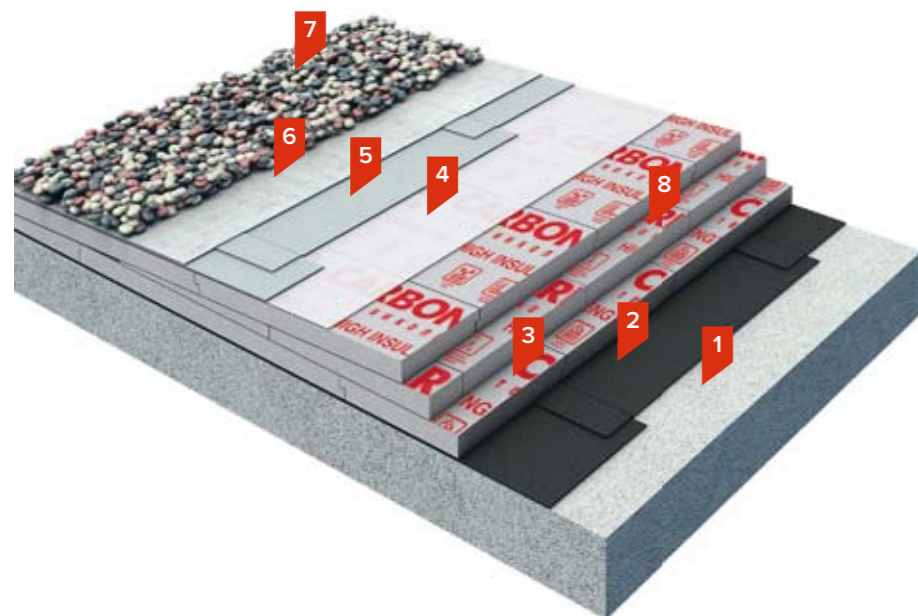
1. Corrugated steel sheet
2. Vapour barrier
3. LOGICPIR F/F thermal insulation boards
4. PIR SLOPE thermal insulation boards
5. Mechanical fixation
6. PVC membrane LOGICROOF V-RP



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.

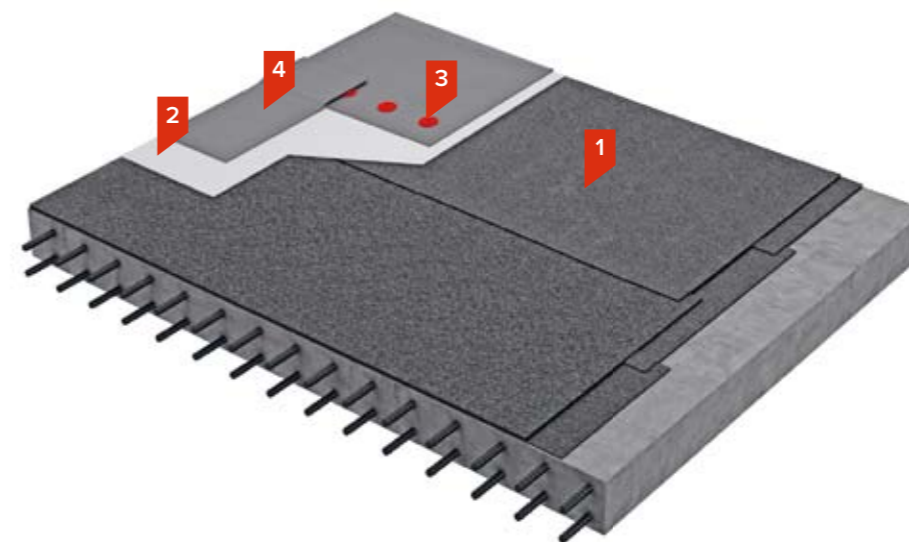
1. Existing roof covering
2. Primer
3. Vapour barrier
4. Adhesive foam LOGICPIR
5. LOGICPIR FCM/FCM thermal insulation boards
6. PIR SLOPE thermal insulation boards
7. Adhesive LOGICROOF Bond (or Adhesive LOGICROOF Spray)
8. PVC membrane LOGICROOF V-RP FB (PVC membrane LOGICROOF V-GR FB)



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. Bitumen vapour barrier
3. XPS insulation boards
4. Glassfiber 100 g/m²
5. PVC membrane LOGICROOF V-GR
6. Geotextile 300 g/m²
7. Ballast
8. XPS insulation boards



MECHANICAL ATTACHEMENT WITH PVC MEMBRANE

Mechanically attached reinforcement PVC membrane. The roof waterproofing sheet is installed by mechanical fastening in seam overlaps. Overlap seams are welded by electric hot welding equipment.

1. Existing roof covering
2. Geotextile, not less than 300 g/m²
3. Metal plate and screw
4. PVC membrane LOGICROOF V-RP

REFERENCES LIST



Distribution centre Tchibo

LOGICROOF V-RP 1.5 mm

The area of 65 000 m²
2017, Cheb, Czech Republic



Petroleum company PEMEX

LOGICROOF V-RP white 1,8 mm

The area of 25 000 m²
2017, Mexico



Arena Kaliningrad

LOGICROOF V-RP 1.5 mm

The area of 40 000 m²
2017, Kaliningrad, Russia



Toyota plant

LOGICROOF V-RP 1.5 mm

The area of 60 000 m²
2015, St. Petersburg, Russia



Olympic Stadium

LOGICROOF V-RP FB 1.8 mm

The area of 40 000 m²
2013, Moscow, Russia



Kurumoch International Airport

LOGICROOF V-RP 1.5 mm

The area of 44 000 m²
2015, Kurumoch, Russia



Great Amber concert hall

LOGICROOF V-RP white 2.0 mm

The area of 3 000 m²
2015, Liepaja, Latvia



Hypermarkets OBI

LOGICROOF V-RP 1.2 mm

The area of 150 000 m²
2011, Russia



Spartak Moscow stadium

LOGICROOF V-RP 1.2 mm

The area of 36 000 m²
2015, Moscow, Russia

ABOUT COMPANY

TECHNONICOL company is one of the largest producers and suppliers of materials for roofing, underground waterproofing and thermal insulation materials.



52 production sites in Russia and abroad
(Belorussia, Lithuania, The Check Republic, Italy,
the United Kingdom, Germany)

6 research centers

18 training centers

22 representative offices in **18** countries

The company exports materials to **90** countries
worldwide

Headquarters are located in Russia, Poland, Italy,
China and India



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PROFESSIONAL CONSULTING