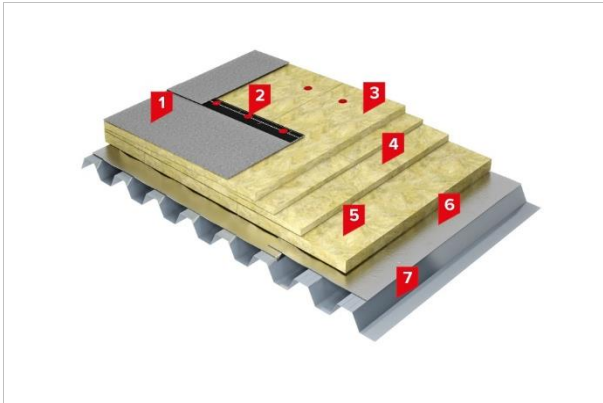




TN ROOF BRM STEEL SOLO

Non-accessible flat roof system on a corrugated steel sheet deck with mechanical fastening of one-layer bitumen-polymer waterproofing membrane, thermal insulation of stone wool and vapor barrier of self-adhesive bitumen membrane.



AREA OF APPLICATION:

Buildings with a large area and minimal equipment on the roof, logistic centers, warehouses.

SPECIAL FEATURES OF THE SYSTEM:



No limit on roof surface area



Fast installation



Easy to repair



Well-known technology

SYSTEM COMPOSITION AND MATERIAL CONSUMPTION RATES:

Nr	Name	Unit	Thickness, mm	Consumption m ²
1	Polymer-bitumen membrane	m ²	4.0, 5.0	1.15
2	Mechanical fastening system	pcs.	-	According to the project
3	Stone wool thermal insulation slabs, CS(10)60	m ³	≥50	1.03
4	Tapered thermal insulation slabs of stone wool, S(10)40	m ³	≥30	According to the project
5	Stone wool thermal insulation slabs, CS(10)30	m ³	≥50	1.03
6	Polymer-bitumen membrane	m ²	0.5, 1.0	1.15
7	Corrugated steel sheet	-	-	According to the project

ALTERNATIVE MATERIALS:

3. Stone wool thermal insulation slabs, CS(10)70
4. Tapered thermal insulation slabs of stone wool, CS(10)30
5. Stone wool thermal insulation slabs, CS(10)40
6. Polyethylene film

TECHNICAL DESCRIPTION:

This is an excellent solution for large area roofs and prefabricated buildings and structures. The system with waterproofing in one layer significantly increases the speed of installation of the roof. The use of materials with high fire resistance provides additional safety and durability of the building.

The roofing covering consists of one layer of polymer-bitumen membrane with elongation not less than 30%, tensile strength not less than 600 N/50mm and tear resistance not less than 200N.

Two grades of stone wool thermal insulation are used for the thermal insulation layer: TECHNOROOF CS(10)60 is a more durable thermal insulation used for the upper thermal insulation layer, which distributes the external load to the lower thermal insulation layer; TECHNOROOF CS(10)30 slabs have lower compressive strength and are used for the lower thermal insulation layer. For formation of slopes and counter-slopes on the roof the TECHNOROOF CS(10)40 Slope stone wool slabs are used.

As a vapor barrier on profiled sheeting, [Vaporstop CA 500](#) or [Vaporstop CA 1000](#) self-adhesive aluminized membranes are used, which have high vapor barrier properties (including the points where fasteners are installed), is resistant to mechanical impacts and can bear the weight of a person.

- [Vaporstop CA 500](#) is used in buildings with dry and normal humidity conditions of interior spaces;
- [Vaporstop CA 1000](#) is used in buildings with all humidity conditions of interior spaces, including damp and wet conditions.

Insulation and waterproofing layers are mechanically fixed to the base with telescopic fasteners.