

TopStone Balcony System

A comprehensive solution for the balcony system with TopStone products

Balconies, loggias

Terraces

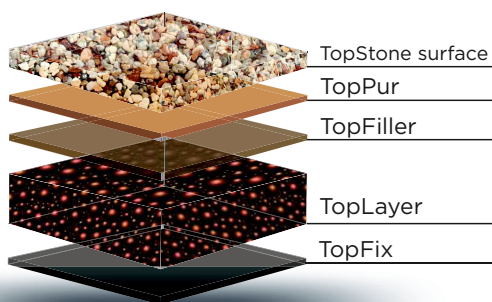
Entrance ramps



Shorter laying time

Low weight of the slope layer

- The body of the balcony must be free of all incoherent parts and remnants of the existing layers (chipping, grinding, vacuuming).
- If there is a protruding or exposed reinforcement element in the balcony body, it needs to be repaired (grinding, cleaning with a wire brush, anticorrosive coating).
- After the primer dries (after about 6-12 hours, depending on the air and substrate temperature), apply TopLayer slope layer from lightweight stones to the desired thickness and gradient. It is a homogeneous material bonded with epoxy, which is applied in the same way as TopStone surfaces using a steel trowel cleaned with acetone.
- After curing of the slope wedge (after about 6-12 hours, depending on the air and substrate temperature), apply the enclosing layer of TopFiller, which encloses the pores in the slope wedge, then prepare a perfect base under the TopPur waterproofing membrane and place the metal drip on the TopFiller putty or on Mamut.
- After curing of TopFiller (after about 6-12 hours, depending on the air and substrate temperature), perform installation of the reinforcing waterproof cover on joints, horizontal, vertical surface (wall/floor), penetrating structures (railings, pillars, anchoring elements), metal drips, balcony profiles - apply waterproofing membrane TopPur on such prepared surface using a triangular teeth trowel, with the tooth height of 3 mm, and after completing the waterproofing remove the air with an aeration roller - after the waterproofing dries (after about 6-12 hours, depending on the air and substrate temperature), apply the TopStone surface according to the manual.



TopStone systems products:

TopPur

Permanent flexible water-proofing with extensibility about 600%.

Retail pkg. 5 kg
Wholesale pkg. 30 kg



Balcony profile K20

Special aluminum profile for balconies and terraces

Packaging - pc (2m)



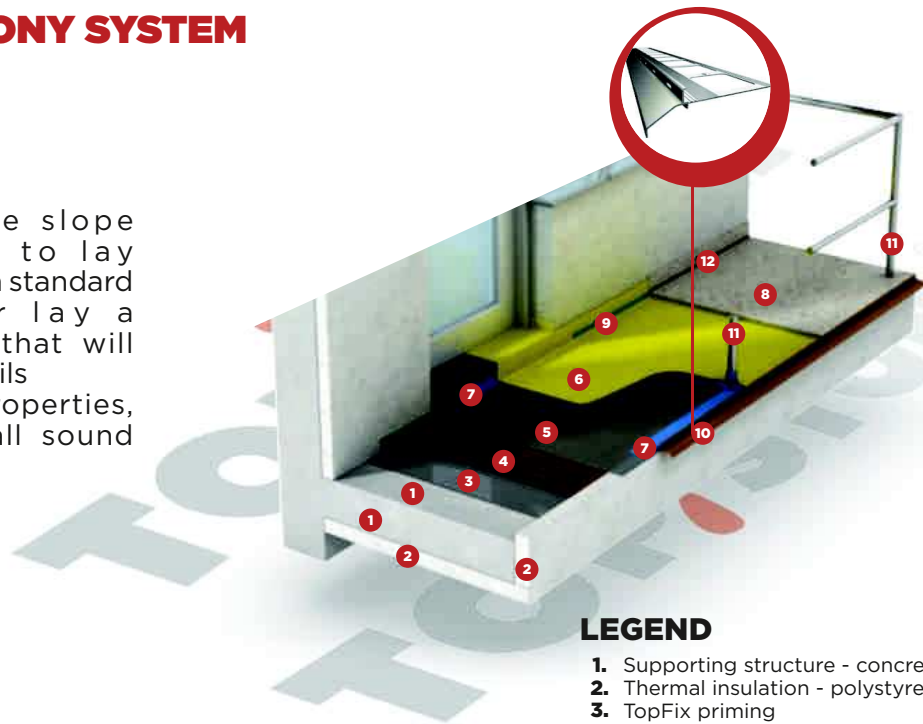
Thermal insulation properties

TOPSTONE SURFACE DETAILS

TOPSTONE BALCONY SYSTEM

Advantages:

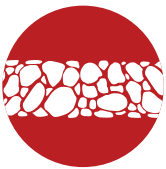
- system solution
- shorter application time
- low weight of the slope layer
- possibility to lay prefabricated parts on a standard size balcony or lay a homogeneous mass that will shape the complex details
- thermal insulation properties, soundproofing
- footfall sound reduction 20 db.



LEGEND

1. Supporting structure - concrete
2. Thermal insulation - polystyrene, mineral wool
3. TopFix priming
4. TopLayer - slope layer
5. TopFiller - epoxy putty
6. TopPur waterproofing
7. Bandage tape
8. TopStone surface
9. Peripheral expansion gap
10. Balcony profile K20
11. Railings construction
12. PU putty

Possibilities of the structures



Basic open structure

TopStone systems products



TopPur - permanent flexible waterproofing with extensibility about 600%. Retail pkg. 5 kg / Wholesale pkg. 30 kg



TopFiller - epoxy putty
Retail pkg. 3 kg
Wholesale pkg. 15 kg



Bandage tape - waterproof adhesive bandage



Peripheral expansion gap - expansion adhesive strip

The core element of the TopStone Balcony System is TopLayer.

Results of the TopLayer slope layer strength - see the test report nr. 412502281

Application:

- A very attractive material due to its versatility
- Creation of a slope layer with the min. gradient 1.5% using TopLayer.
- Laying of prefabricated panels onto the TopFiller putty
- It is necessary to apply bandaging on joints, expansion gaps, drip profiles, etc. after applying the TopFix primer.
- The TopFix primer is also applied under TopLayer according to the absorbency of the substrate.
- Backfill of stone or brick vaults during reconstructions
- Reconstruction of wooden-beamed ceilings, ceiling and floor constructions
- Thermal insulation filling in the attic space - walkable, cleanable
- Thermal insulation filling - single-shell roof
- Drywall, particleboard flooring - subbase, backfill of excavation and bridge constructions
- Pressure relief subbase for roads and highways, green roofs

Functions, benefits:

- Chemically stable, frost resistant, low bulk density of 200-500 kg/m, 12 times lighter than concrete
- Quick application, reaction to fire class A2, absorbs shocks, shatterproof
- Resistance to rodents and molds, without the wet laying process - reduced time application
- System solution
- The possibility of laying prefabricated parts on a standard size balcony
- The possibility of laying the TopLayer mixture in various sizes and thicknesses depending on the substrate
- Thermal insulation properties

