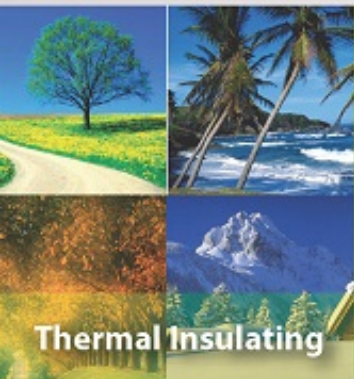


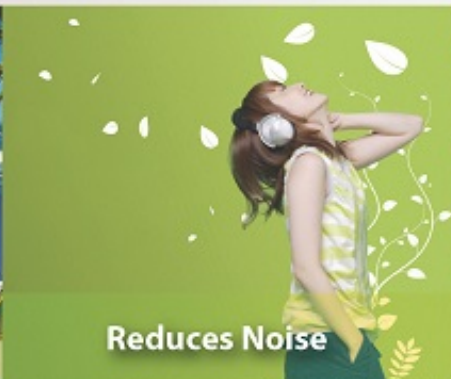


SIVAPER®

Insulating Perlite Plaster



Thermal Insulating



Reduces Noise



Non Flammable



Long Lasting



Lightweight



Easy Application



Healthy



Environment Friendly

NATURAL INSULATION
On Exterior-Interior Walls, Floorings and Roofs



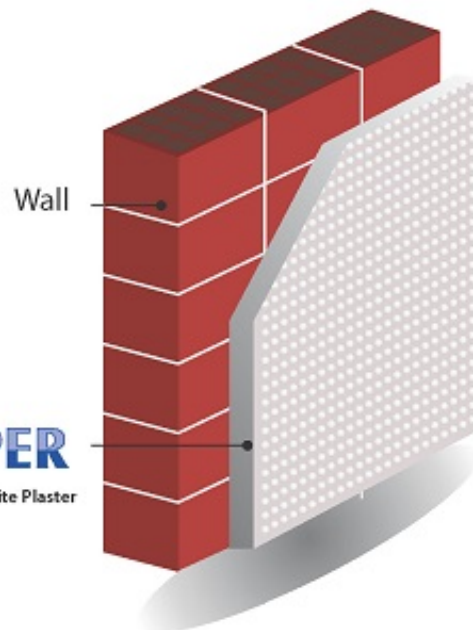
Insulation is one of the main problems encountered in buildings.

Buildings with solved insulation problems have longer life spans due to their better durability against the effects of time. Thanks to its superior properties, **SIVAPER** provides ideal insulation for buildings and your buildings last longer.

SIVAPER Thermal insulation products are expanded perlite based ready mix plaster and mortar products. Simply mix with water and easily apply using traditional methods. Buildings where these products are used provide comfortable and healthy living spaces.

It is possible to use single-component waterproofing mortar or two-component elastic waterproofing mortar produced by **SIVAPER** along with the **SIVAPER** perlite based screeds in environments where waterproofing is also required in addition to heat insulation, such as terraces and open roofs.

SIVAPER products create heat insulated, acoustic insulated, waterproof, lighter and breathing buildings more resistant to fire. Thanks to its natural and environment friendly characteristics, you may use the products conveniently in buildings. Inorganic structure provides long lasting solutions.



Ideal Solution for Insulation Problems

Thanks to its porous structure, the buildings breathe and healthier living spaces are created.

Ideal solution for Natural and Environmental Insulation



Thanks to its natural and environment friendly structure, **SIVAPER** provides healthy and long lasting insulation solutions.

Sivaper thermal insulation products have expanded perlite content.

Expanded perlite is a healthy and environment friendly substance with natural and inorganic structure. The fact that it is used in food and pharmaceutical industries indicates how healthy it is.

As a versatile substance, Expanded Perlite is widely used in our country and worldwide in building sector for long years. In addition to providing superior properties to buildings, it has no negative effect on other building elements thanks to its inorganic structure.

Below you may find the superior properties of expanded perlite.

- Natural and healthy
- Ensures thermal insulation
- Ensures sound insulation
- Resistant to fire
- Extremely lightweight
- Porous structure facilitates breathing
- Long lasting. No degradation, no rotting, lasts with the building.

With **SIVAPER**, these superior properties of perlite are at the disposal of the building sector with easily and practically applicable plaster and screed forms.

Insulate your building today using these products proven over the years.





With **SIVAPER**, you will not complain from hot in summer and cold in winter.

SIVAPER plaster and screed products with Expanded Perlite content are natural and inorganic plaster and mortar products produced to provide thermal insulation for buildings. Life standards of people living in buildings where these products are used move up and insulation problems encountered in many buildings are eliminated. Insulation properties will not degrade in time and most importantly thermal bridge will not occur.

SIVAPER for fireproofing

Structural precautions intended for limiting the harmful effects of fire are called fireproofing. These precautions must be taken during the design stage in order to reduce the losses in case of fires. The materials to be used in the buildings must be preferred considering their reaction against fire and whether they contribute to the fire or not. Expanded Perlite based products of **SIVAPER** are A1 class fireproofing materials. They protect the building elements against flame for long hours and thus ensure that the losses are minimized.

SIVAPER® *Insulating Perlite Plaster*

It's more than a plaster

It's not only an insulating plaster

It's energy saver

It's natural perlite based

It's heat proofing

It's sound proofing

It's fire proofing

It's water repellent

It's so lightweight

It's long lasting

It's applied with traditional methods

Ideal Solution for Thermal Insulation

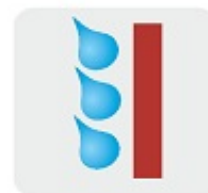




Ideal Solution for Sound Insulation

SIVAPER products successfully provide acoustic insulation in buildings as well. When used in appropriate values, the products are excellent for reducing impact sounds (such as step sounds, jumping, dropping, dragging).

They will provide unlimited comfort for you in communal living conditions, i.e. apartment buildings, factories, workshops, manufacturing plants.



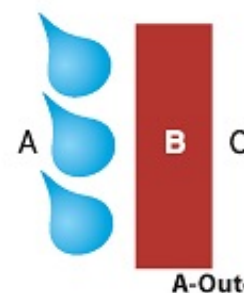
Ideal Solution for Condensation Problem

Thanks to the porous structure, **SIVAPER** products don't prevent the building from breathing. Accordingly, condensation and humidity causing unhealthy indoor living spaces and mold growth are eliminated. This aspect, which is as important as heat insulation for a healthy living, is merely one of the characteristics of Sivaper products.

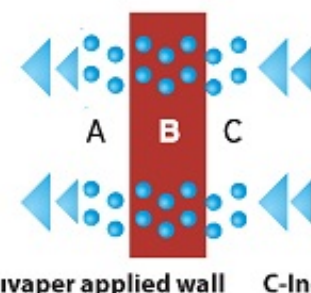
Thanks to this characteristic, **SIVAPER** prevents condensation causing you major troubles in cold winter days, and protects your residence against the damages caused by condensation.

Thanks to its water repellent property as described in TS EN 998-1 standard, **SIVAPER** S01, S10 and Mantoper thermal insulating plasters prevent condensation by allowing the building to breathe and enabling waterproofing for exterior walls during rain.

Rainwater Proof



Allows the building to breathe





Continuous Quality in Production

The expanded perlite of **SIVAPER** products having an important position is produced in our own perlite expansion plant.

All raw materials used in production stage of **SIVAPER** products are provided by suppliers highly experienced in their respective fields. In addition to the raw material quality, highly affecting the product quality, the production techniques applied at **SIVAPER** production facility and the infrastructure of the production facility increases the quality of the products.

SIVAPER products and received raw materials are inspected in our quality control lab. Furthermore, the final products undergo tests in expert laboratories at certain intervals. Thus, quality control is constant.

SIVAPER production system is managed by ISO 9001:2008 quality assurance system. **SIVAPER** perlite based plasters are produced according to TS EN 998-1 standard.



Superior properties of SIVAPER

- Ensures thermal insulation
- Insulates especially impact sounds.
- Decreases the building load due to its lightweight structure making the building more resistant
- Inorganic material, no degradation, no reaction with other substances
- Constant insulation, will not degrade in time
- Protects other building elements it covered for hours during fire
- Creates waterproof buildings
- Allows the building to breathe thanks to its porous structure, creates healthier building areas
- Easy to apply. Applied using traditional methods.



EXPANDED PERLITE BASED INSULATING PRODUCTS



SIVAPER S01 – Thermal Insulating Perlite Plaster

Perlite based cementitious coarse plaster suitable for using on exterior and interior walls. Contains special additives provide water repellency, high strength and good workability.

- Thermal insulating
- Water repellent
- A1 class non-flammable
- Reduces especially impact sounds
- Lighter than traditional plasters
- Doesn't prevent breathing with its porous structure
- Prevent humidity with its breathable structure
- Applied with traditional plastering methods
- Environment friendly

Packing	: 15 kg paper bags
Appearance	: White powder
Areas of use	: Exterior/Interior walls
Application Temperature	: +5°C / +35°C
Thermal Conductivity Class	: T1 (TS EN 998-1)
Flammability Class	: A1 Class
Coverage	: 3,0 – 4,0 kg/m ² /cm
Water Repellency	: Yes



SIVAPER S10 – Thermal Insulating Perlite Plaster

Perlite based cementitious coarse plaster suitable for using on exterior and interior walls. Contains special additives provide water repellency, high strength and good workability.

- Even lower density and better thermal insulation
- Water Repellent
- A1 Class non-flammable
- Reduces especially impact sounds
- Lighter than traditional plasters
- Doesn't prevent breathing with its porous structure
- Prevent humidity with its breathable structure
- Applied with traditional plastering methods
- Environment friendly

Packing	: 7 kg paper bags
Appearance	: White powder
Areas of use	: Exterior / Interior walls
Application Temperature	: +5°C / +35°C
Thermal Conductivity Class	: T1 (TS EN 998-1)
Flammability Class	: A1 Class
Coverage	: 2,0 – 3,0 kg/m ² /cm
Water Repellency	: Yes



BAUCHEM MANTOPER Thermal Insulating Perlite Plaster

Perlite based cementitious coarse plaster suitable for using on exterior and interior walls. Contains special additives provide water repellency, high strength and good workability.

- Thermal insulating
- Water repellent
- A1 class non-flammable
- Reduces especially impact sounds
- Lighter than traditional plasters
- Doesn't prevent breathing with its porous structure
- Prevent humidity with its breathable structure
- Applied with traditional plastering methods
- Environment friendly

Packing	: 20 kg paper bags
Appearance	: White powder
Areas of use	: Exterior/Interior walls
Application Temperature	: +5°C / +35°C
Thermal Conductivity Class	: T2 (TS EN 998-1)
Flammability Class	: A1 Class
Coverage	: 4,0 – 5,0 kg/m ² /cm
Water Repellency	: Yes



SIVAPER S02 – Lightweight Perlite Plaster for Interior Use

Perlite based cementitious coarse plaster suitable for using on interior walls. Contains special additives provide high strength and good workability. Contributes to thermal insulating of the walls as well as preventing humidity with its porous structure.

- Thermal insulating
- Provides resistant walls against fire
- Reduces especially impact sounds
- Lighter than traditional plasters
- Doesn't prevent breathing with its porous structure
- Prevent humidity with its breathable structure
- Applied with traditional plastering methods
- Environment friendly

Packing	: 15 kg paper bags
Appearance	: White powder
Areas of use	: Interior walls
Application Temperature	: +5°C / +35°C
Thermal Conductivity Class	: T2 (TS EN 998-1)
Flammability Class	: A1 Class
Coverage	: 3,0 – 4,0 kg/m ² /cm



SIVAPER S04 – Lightweight Perlite Plaster for Interior Use
Perlite based cementitious coarse plaster suitable for using on interior walls. Contains special additives provide high strength and good workability. Contributes to thermal insulating of the walls as well as preventing humidity with its porous structure.

- Thermal insulating
- Provides resistant walls against fire
- Reduces especially impact sounds
- Lighter than traditional plasters
- Doesn't prevent breathing with its porous structure
- Prevent humidity with its breathable structure
- Applied with traditional plastering methods
- Environment friendly

Packing	: 11 kg paper bags
Appearance	: White powder
Areas of use	: Interior walls
Application Temperature	: +5°C / +35°C
Thermal Conductivity Class	: T1 (TS EN 998-1)
Flammability Class	: A1 Class
Coverage	: 3,0 – 4,0 kg/m ² /cm



SIVAPER S03 – Thermal Insulating Perlite Screed
Perlite based cementitious screed. Usable on floorings, roofs and terraces. In case screed surface contacts with water (terraces, open roofs, etc.), surface should be covered with **SIVAPER S21** water proofing product.

- Thermal insulating
- Provides resistant floors against fire
- Reduces especially impact sounds
- Lighter than traditional screeds
- Doesn't prevent breathing with its porous structure
- Applied with traditional methods
- Environment friendly

Packing	: 15 kg paper bags
Appearance	: Grey powder
Areas of use	: Floorings/Roofs/Terraces
Application Temperature	: +5°C / +35°C
Flammability Class	: A1 Class
Coverage	: 3,5 – 4,5 kg/m ² /cm



SIVAPER S05 – Thermal Insulating Perlite Screed
Perlite based cementitious screed. Usable on floorings, roofs and terraces. In case screed surface contacts with water (terraces, open roofs, etc.), surface should be covered with **SIVAPER S21** water proofing product.

- Thermal insulating
- Provides resistant floors against fire
- Reduces especially impact sounds
- Lighter than traditional screeds
- Doesn't prevent breathing with its porous structure
- Applied with traditional methods
- Environment friendly

Packing	: 15 kg paper bags
Appearance	: White powder
Areas of use	: Floorings/Roofs/Terraces
Application Temperature	: +5°C / +35°C
Flammability Class	: A1 Class
Coverage	: 3,5 – 4,5 kg/m ² /cm



SIVAPER S07 – Lightweight Perlite Screed
Perlite based lightweight cementitious screed. Usable on floorings, roofs and terraces. In case screed surface contacts with water (terraces, open roofs, etc.), surface should be covered with **SIVAPER S21** water proofing product.

- Contributes to thermal insulating of residences
- Provides resistant floors against fire
- Reduces especially impact sounds
- Lighter than traditional screeds
- Doesn't prevent breathing with its porous structure
- Applied with traditional methods
- Environment friendly

Packing	: 20 kg paper bags
Appearance	: Grey powder
Areas of use	: Floorings/Roofs/Terraces
Application Temperature	: +5°C / +35°C
Flammability Class	: A1 Class
Coverage	: 4,5 – 5,5 kg/m ² /cm

COMPLEMENTARY PRODUCTS

SIVAPER S21 – Flexible Two Component Water Proofing Mortar

Cement and acrylic based two component flexible water proofing mortar. Usable on terraces, open roofs or where surface contacts with water. It can be used on SIVAPER perlite screeds. Applicable with brush.

Packing : 20 kg paper bag (Powder Component) + 10 kg plastic drum (Liquid Component)

SIVAPER S22 – One Component Water Proofing Mortar

Cementitious one component water proofing mortar. Usable on terraces, open roofs or where surface contacts with water. Applicable with brush.

Packing : 25 kg paper bag

SIVAPER S41 – Decorative Coating Plaster

Cementitious water repellent finishing plaster creates decorative surfaces usable before painting. Especially usable on Sivaper exterior wall perlite plasters in order to get a decorative finish.

Packing : 25 kg paper bag

SIVAPER S42 – Finishing Satin Plaster

Cementitious finishing plaster creates smooth surfaces usable before painting. Especially usable on Sivaper interior wall perlite plasters in order to get a smooth finish.

Packing : 20 kg paper bag



SIVAPER S51 – Sprinkle Plaster

Cementitious sprinkle plaster contains special additives which increase adhesion, strength and workability of the product. Usable on concrete, aac block or similar surfaces. Used to get safe surfaces and better adhesion before SIVAPER perlite plaster products are applied.

Packing : 25 kg paper bag

SIVAPER S54 – Multi Purpose Primer

Acrylic based primer usable on SIVAPER perlite plaster or screed products before different coatings are applied on.

On risky surfaces, such as glossy concrete surfaces, SIVAPER S54 is mixed with SIVAPER S51 in order to get better adhesion on the surface.

Packing : 10 kg plastic drum

SIVAPER S55 – Decorative Coating Primer

Acrylic based primer usable before SIVAPER S41 and S42 are applied on the surface in order to get better adhesion.

Packing : 15 kg plastic bucket

SIVAPER S56 – Screed Primer

Acrylic based primer used before water proofing products or similar coatings are applied on SIVAPER perlite screeds in order to improve adhesion.

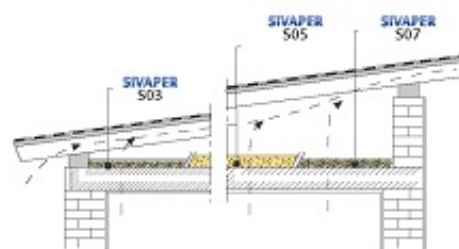
Packing : 15 kg plastic bucket

In order to achieve the desired result after application;

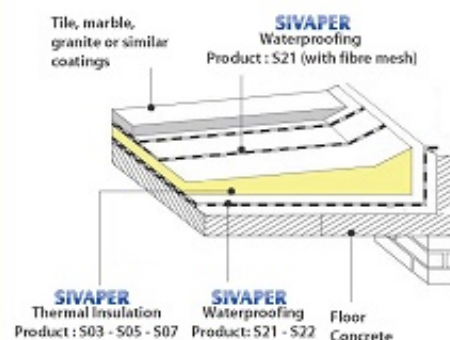
- Application thickness of **SIVAPER** thermal insulating products is crucial. Application thickness varies depending on the other building materials used in the building and the climate of the application area. Consult a **SIVAPER** dealer prior to applying the products and choose an appropriate application method for your buildings.
- The concrete mixer or handheld mixer used for mixing must run at low speed.
- **SIVAPER** plaster and screed products are ready to use; do not add any substances other than water. Two-component elastic water proofing mortar is applied by mixing with its liquid component.
- Application surface must absolutely be free of dust, particles or other foreign materials.
- Do not apply **SIVAPER** products on painted, varnished, metal, wood or similar surfaces.
- **SIVAPER** S51 Sprinkle plaster must be applied prior to application on concrete or aac block surfaces.
- **SIVAPER** plaster products must be applied as one or two layers until adequate thickness is achieved. Surface finish or second layer must be applied once the product is sufficiently dries to achieve optimal adhesion of plaster on the surface. Once the application is completed and the surface is sufficiently hardened, level the surface and eliminate irregularities.
- **SIVAPER** plaster and screed products are applied using traditional methods.
- Textured paint, decorative plaster or similar finishing plasters must be applied as coating after applying **SIVAPER** plaster products. Tiling, parquet, leveling screed and if necessary **SIVAPER** waterproofing products must be applied as coating after applying **SIVAPER** Screed products.
- Sold product packaging may differ from the ones shown in brochures. Technical specifications available in the brochures represent approximate values and the values specified on the product packaging are valid. Technical specifications may vary depending on the differences in usage methods of products and water mixing under various conditions of use. You may find detailed information regarding the products on product packages.
- After sufficiently dries **SIVAPER** S10 should be covered with **SIVAPER** S41 or similar exterior wall finishing plasters.
- Please refer to product package notes and application methods available at www.sivaper.com for detailed application information.



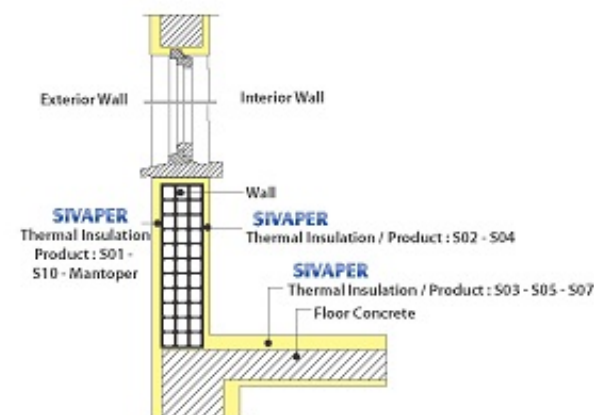
SIVAPER Application in Closed Roofs for Thermal Insulation



Thermal Insulation and Waterproofing Application using SIVAPER in Open Roofs - Terraces



SIVAPER Application on the Walls and Floorings



NATURE & ENVIRONMENT FRIENDLY

EASY APPLICATION

THERMAL INSULATING

LONG LASTING

HEALTHY

REDUCES NOISE

NONFLAMMABLE

LIGHTWEIGHT

SIVAPER® IN YOUR HOUSE

1 SIVAPER® on Floorings of Terraces/Open Roofs

- Tile or similar coatings
- SIVAPER S21 with Fibre Mesh (for water proofing)
- SIVAPER S56 (for getting better adhesion of S21 on screed)
- SIVAPER S03-S05-S07 Perlite Screed (for insulation and lightness)
- Concrete

3 SIVAPER® on the Interior Walls

- Paint
- SIVAPER S42 (for finishing)
- SIVAPER S55 (for better adhesion of S42 on perlite plaster)
- SIVAPER S02-S04 Perlite Plaster (for insulation and lightness)
- Brick

2 SIVAPER® on Floorings of Living Spaces Inside

- Wooden coatings, tile, marble, granite or similar coatings
- SIVAPER S03-S05-S07 Perlite Screed (for insulation and lightness)
- Concrete

4 SIVAPER® on the Exterior Walls

- Paint
- SIVAPER S41 (for finishing)
- SIVAPER S55 (for better adhesion of S41 on perlite plaster)
- SIVAPER S01-S10 or Mantoper Perlite Plaster (for insulation and lightness)
- Brick

- These are exemplary applications
- Application components can vary for different conditions
- See application instructions for different surface preparations
- All layers of applications are shown in sequence

Made in Turkey



www.sivaper.com



ISO 9001:2008

