



Products ... Your Projects will Trust

Amazing PLASTERING & SCREEDING Product



*It's Not About Adding Cement and Perlite!!!
But the unique Mix's proportion and the Additional Ingredients
making Sivaper Mix is Unmatchable....
We Protect your Projects... Guaranteed.... Hassle Free ...
Amazing 4 in 1 Insulation Characteristics:
Thermal, Fire, Sound Insulation, Water Repellency.
The Versatile Perlite Plaster and Screed by Sivaper®:
Natural, Lightweight, Insulating, Non-Flammable*

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Q&A

Q&A: 5W1H OF SIVAPER®

Q&A: SIVAPER® PLASTERING

Q&A: SIVAPER® SCREEDING

As we are innovative company looking for product developments

(<http://www.sivaper.com/en/innovation-in-sivaper.html>), we become happier with interactive communication as an invaluable source for development.

It seems that SIVAPER products will become much more attractive for importers as it is innovative plaster/screed replacing traditional/conventional plastering/screeding methods.

Your sharings during ongoing talks with architects/contractors will be extremely helpful because they will change the costings for importers and will make the products much more attractive.

Q&A: 5W1H OF SIVAPER®

1. What is Sivaper?

- Sivaper® products are "Perlite Cementitious" a volcano powder treated in special high temperature Furnaces (900-1000 C degree), mixed with cement and other ingredients by a unique formula and proportion to offer an amazing 4 in 1 insulation characteristics: Thermal, Fire, Sound Insulation and Water Repellency.
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- All Insulations in 1 plaster product .. ALL in ONE insulation..Fire,Thermal, Sound, Water and environmental friendly and very light, affordable and unbeatable. Just apply it as regular plaster..No need for sand at all, just add water and use...All insulation in one product

2. Why Sivaper?

- Nature Environment Friendly: Inorganic material, doesn't react with other materials and doesn't decompose by the time.
- Healthy- Provides healthy buildings and prevents humidity with its porous structure.
- Thermal insulation- It reduces heat escape through the walls.
- Reduce Noise- It especially reduces pulsed sounds.
- Long Lasting: Never lose its insulating characteristics.
- Nonflammable It protects building for a few hours against fire.
- Light Weight Provides healthy buildings and prevents humidity with its porous structure.
- Easy Application : Application is so easy with traditional methods.
- Thermal Insulation: Low Thermal Conductivity makes the walls and floors thermally efficient.
- Reduces heat transfer through the walls during winter and summer.
- Light Weight: Loose Density is low. This reduces the weight of the building walls and makes

the structures stronger.

- Fire Resistant: Fire safe product (Class A1). It protects the steel and concrete parts of the buildings covered for a few hours.
- Environment Friendly: Made of natural and inorganic product. It doesn't decomposes or react with any material.
- Breathable Walls: Breathable plaster which prevents dampness and moulds inside the buildings. This makes healthy residences.
- Sound Insulation: It reduces noise and sound transmission through walls and floors. It reduces especially pulsed sounds
- Easy Application : Add only water and apply it as traditional methods.
- One of the various advantages of Sivaper® Perlite Plaster is that it is 4 times more resistant to the heat transmission than sand plaster. This enables energy savings in heating and air conditioning.
- Lightweight building materials are so important to provide lighter and safer buildings. Sivaper produces lightweight perlite mortars which are much more lighter than traditional mortars. Those products provides lightweight structures with thermal insulation, sound insulation and fire resistance.
- In many project Sivaper perlite products were used only because they are so lightweight. They are used on new built construction as well as on rennovating old buildings. Those inorganic and natural products provide long lasting and healthy solutions to architects and engineers.

The specs of SIVAPER ® materials is unique to the building, such as :

- · Thermal insulating (T1 & T2 class according to TS EN 998-1 standard)
- · Water repellent
- · Fire resistance – Class A1
- · Reduces pulsed sounds
- · Very light than traditional mortars, Plaster.
- · Provides breathable walls with its porous structure
- · Doesn't cause humidity
- · Applied as traditional methods as plastering
- · Environment friendly
- · Very affordable Price

3. Where Sivaper is used ?

- SIVAPER " Walls & Floors" family: Wall and floor insulation in a building is necessary to maintain constant temperatures of living spaces, preventing heat entering when it is warm and preventing heat from escaping when it is cold. Proper insulation will also save a lot of money on heating and cooling utility bills.
- If an insulation material provides a versatile and long lasting insulation in one, it is logical to use it for an efficient insulation. Sivaper is a building material which provides thermal insulation, sound insulation, resistance against fire (class A1) and prevents humidity. Beside of all it is inorganic and inert material and this makes it a long lasting product.
- Sivaper products are used on exterior and interior walls as well as on floorings and roofs.
- Perlite Cementitious as SIVAPER[®] is used since 1970+ in the industrial countries, for building elevations and floors. It's commonly used in most new buildings all over the world in Exterior-Interior, flooring and Commercial Kitchen areas and industrial building where need high Fire resistant. (Class A).
- SIVAPER[®] products is used in ALL types of buildings such as: Residential (Villas, Towers), Commercials (Offices and Malls), Industrials, Recreational, Mosques, Schools, Hotels and Hospitals, etc...

4. When SIVAPER[®] is used ?

- If it is needed to have a healthy and long lasting insulation, Sivaper insulating products can be used in that case. Expanded perlite is a natural, healthy, inorganic and non-flammable raw material used in Sivaper insulating dry mix products.

5. Who uses Sivaper ?

- Contractors, plasterers, insulation companies, construction companies, restoration companies and who want to insulate buildings with a natural and healthy product can use Sivaper. Sivaper can be used in restoration of old buildings because of its lightweight structure.
- You can insulate your buildings easily with Sivaper since the application of all types are same as traditional plastering methods.

6. How Sivaper is used ?

- **Sivaper products are applied with traditional methods.**
- A-As plastering
- B-As screeding

Q&A: SIVAPER® PLASTERING

1. Difference between S01, S10 and MANTOPER?

DENSITY:

- S01: 300 kg/m³ (approx.)
- S10: 240 kg/m³ (approx.)
- Mantoper: 400 kg/m³ (approx.)

Lower density ensures higher thermal insulation values.

USAGE:

- S01: exterior plaster
- S10: exterior plaster
- Mantoper: exterior plaster

THERMAL INSULATION:

- S10 ensures better thermal insulation than others.
- S01 has better thermal insulation than Mantoper

S10 is our innovative and newest product of perlite plaster;

- thermal insulation values are the best.
- lightest weight perlite plaster
- density is very low 240 kg/m³
- weight of one bag is 7 kg

DIFFERENCE:

- S01 and Mantoper: density is different though chemical structure is the similar.
- S10 and S01/Mantoper: lower density, different chemical structure, lower resistance.

2. What is the difference between S02 and S04? When is one preferred over the other?

- S02: interior plaster. Density 400 kg/m³ (approx.), thermal insulation is lower than S04.
- S04: interior plaster. Density 300 kg/m³ (approx.) and better thermal insulation.

3. Are S01 and S10 used directly onto concrete blocks or do they have to be put onto a layer of cement plaster? Is there a need to put a coat of cement plaster after putting the Sivaper product on exterior walls? In other words, do these two products completely replace the need of cement plastering? Can we directly paint the surface after using the product or do we have to smoothen it with cement to get a “clean” finish?

ANSWER: On concrete blocks; you have to use Sivaper S51 Cementitious Sprinkle Plaster (primer) (or similars in your country) in order enhance adhesion of our plasters on the concrete surface. Sprinkle plaster is applied so thin as a primer on the wall. For traditional brick products you don't have to use any other primer. For Sivaper S01 you don't have to apply another layer of plaster. You can directly paint with textured paints (recommended) or normal paints. For Sivaper S10 you should apply Sivaper S41, Sivaper S42 or similar cementitious finishing plasters in your country. These are applied so thin in order to protect the surface. Because density of S10 is so low than others.

Those two plasters can be used as a replacement for traditional cement plasters. No need to use them.

4. Similarly for S02 and S04, do these completely replace internal cement plastering? After use of product, do we need to apply a coat of cement plaster for “clean” finish?

ANSWER: Sivaper S02 and Sivaper S04 can also replace traditional internal plasters (cementitious or gypsum based). You have to use Sivaper S42 or similar finishing plaster for clean finish (max. 2-3 mm thickness).

5. What are Sivaper products' difference from some other insulating products?

- Long lasting because of its inorganic structure.
- A1 class Nonflammable products
- Contains natural expanded perlite as the filler. This makes Sivaper products healthy building materials.
- You don't have to drill concrete or wall surface as applying board type insulating products. You apply Sivaper products as traditional plastering methods.
- Its thermal conductivity value doesn't increase by the time.
- Sivaper products don't create thermal bridges which let the heat escapes.
- Sivaper perlite products breathes. Breathable walls prevent mould and bacteria formation but non-breathable walls create mould and bacteria formation.

- As we told above thermal conductivity of perlite based Sivaper products are not effected by environmental effects such as sunlight, high environment temperatures.

- You have to think an insulating product for long times and be sure that the insulating values shouldn't change negatively. Sivaper products are not effected by heat. You can have almost constant thermal insulating property with Sivaper perlite products.

-Also you will have A1 class non-flammable walls with Sivaper perlite products. Nowadays flammability of the insulating products getting more important all over the world.

-Don't forget that cryogenic tanks all over the world are insulated mainly with expanded perlite which we use in Sivaper products. Because it is an excellent insulating raw material and expanded perlite is non-flammable, inorganic and long lasting insulating material.

6. What is the difference between regular cement plaster and perlite plaster on per sq ft basis ?

Cement plaster is only used to cover walls in order to have smooth surfaces, protect concrete columns or similar aims. Perlite plasters aim the same things but also provide thermal/sound/fire insulation, breathable walls, lightweight walls so stronger buildings, natural insulation.

7. Does perlite plaster help in avoiding paint cracks on the surface?

Those are fiber reinforced plasters. And crack formation is in minimum levels than traditional plasters.

Q&A: SIVAPER® SCREEDING

1. What is the difference between S03, S05 and S07? Other than difference in colour, can you please explain other differences.

- All are used for screeding.
- S03: density 300 kg/m³ (approx.) and better thermal insulation than S07.
- S05: usable on open air places as floorings, roofs, terraces and so on with water proofing products coated on it.
- S07: density 400 kg/m³ (approx.)

2. Similarly for screeding, do S03, S05 and S07 replace conventional screeding?

ANSWER: Sivaper S03-S05 and Sivaper S07 are also replace traditional screeds. They provide thermal insulation, sound insulation, fire proofing, lightweight structure, etc.

All Sivaper perlite products have the same properties of thermal insulating, fire proofing, etc.

3. What are the advantages of screeding with Sivaper products against conventional screeding?

- Water proofing products should applied on the screed after application on open air places

where rain and water shall contact on the screed.

- Sivaper perlite screed is used for ground floor and roof of the building yielding insulation for heat and sound with fireproofing as well.
- Perlite screed is up to 1/6 lighter than sand plaster and you will get lighter and more resistant buildings.
- Very simple to use, only a certain amount water is mixed with Sivaper thermal insulating perlite screed and applied by conventional methods . Does not require additional information or workmanship .
- Screed perlite can be applied as sand screed easily and comfortably. After applying the wet screed substrate surface finish and finishing operations are performed. A variety of floor coverings can be done after the surface is dry .
- What is the difference with Sivaper perlit screed?
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- Screed made using Sivaper perlite screed does not sag after application and after drying time, do not deform. Provides long-lasting use .
- Easily applied in any desired thickness.
- Very light and resistant surfaces are ensured.
- Easily applied and lightweight thermal insulation screed.
- Density differs between 300 kg/m³ to 500 kg/m³ (approx.)
- Applicable by hand or by machine.
- Mixed with water easily only and again easily leveled.
- No impurities, completely natural.
- As it is light material, does not add extra loading on the building.
- Provides sound insulation, fire insulation.
- Easily coated with hardwood, ceramics.
- Natural insulation