



ISOLIERUNG



ALL SEASONS
INSULATION

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Isolation is a Requirement

Heat Isolation: Humans live much healthier in naturally air conditioned buildings. The energy requirement of naturally air conditioned buildings necessary for heating and cooling is at minimal level and isolated buildings are named as environment friendly and ecologic structures. People who live in the isolated buildings are protected against the diseases caused by excessive air conditioner effect in summer months and the diseases caused by heating systems in winter months including drying throat etc. Cooling and heating costs are minimized due to low energy requirement. WERNER ISOLIERUNG products provide the products at the highest level and with natural features.

Acoustic Isolation: Human beings desire silent environments far from noise in all sorts of buildings. For this reason, it is desired that buildings particularly including housings, hospitals, schools, hotels have acoustic isolation in both outer sections and inner sections. WERNER ISOLIERUNG products isolate stroke sounds and noises at the highest level.

Fire Isolation: Fire is a disaster which may be caused by many reasons particularly including electricity contact and which threatens human life seriously. Using products which do not burn, do not extract fatal smoke and which prevent fire heat in the buildings is a principles. In addition to this, products which may lead to short circuit and fire by damaging electricity circuits as a result of surge and which consume excessive energy particularly including air conditioner should never be used.

WERNER ISOLIERUNG products are of A1 European incombustible class never extract harmful gas even in high temperatures, they prevent fire heat and provides the time necessary for enabling people to escape, they prevent reinforced concrete and steel systems of the building to be affected by the fire.

WERNER ISOLIERUNG isolation plasters are very significant building materials for health and life of the people you love owing to high heat, acoustic and fire isolation they provide.



PLASTER

HEAT, SOUND AND FIRE
INSULATION PLASTER

PRODUCT DESCRIPTION

It is a ready-made exterior insulation plaster containing Portland cement, expanded perlite and inorganic fillers, reinforced with additives that do not harm health and the environment in accordance with European norm directives, ISO and TSE conditions, and provides 40-50% energy saving with HEAT, SOUND and FIRE insulation conditions.

PRODUCTION AREAS

It is used directly on columns and beams on the exterior of buildings, rough and fine plaster, brick, and pumice. Primer must be used on exposed concrete, gas concrete, Betopan, Gypsum Board, EPS, XPS and painted surfaces.

ROOF/TERRACE COVERING

It can be used as a minimum 5 cm topcoat on the concrete floor in the closed roof floors of all kinds of buildings. Since it is compatible with the building floor, it does not require a mezzanine application (self-leveling) before the application. As a result of the application, it provides a minimum of 40-50% energy savings due to its thermal insulation feature.

STEEL STRUCTURES

WERNER plaster is a superior plaster that protects the load-bearing systems of steel structures against fire and also provides thermal insulation. Before the application, the steel elements are wrapped with metal or plastic plaster nets and WERNER plaster of sufficient thickness (2-4 cm) is applied on it. (There is no need to fill the profile gaps behind the wrap with plaster. Precautions should be taken to prevent the net from sagging in large gaps.) As a result of the application, steel structures not only provide protection against fire, but also provide 40-50% energy savings.

FEATURES:

1. Thermal conductivity performance is in T1 class. It provides 40-50% savings in heating and cooling costs. It provides a warm environment in the winter and cool in the summer inside the buildings.
2. A1 class non-combustible material. It prevents the carrier systems of the buildings from being damaged in the fire. It is the fire insurance of the buildings. It does not produce suffocating and poisonous gases during fire.
3. Breathing and balancing humidity. It Prevents mold and fungus formation. It creates healthy environments.
4. It does not contain substances harmful to human health or the environment. It has no carcinogenic effect.
5. It is four times lighter than traditional plaster. The liquid load of the building decreases and contributes to earthquake safety.
6. Very long life time, rather than normal cement.
7. It does not create a thermal bridge, and since it does not require dowels, it does not cause puncture and injury to the bearing elements of the building.
8. Sound absorbing feature. It eliminates 30-40% db reverberation and ringing.
9. Machine and manual application.
10. Easy to prepare and apply. Saves labor and time.
11. Since it is light, it does not need more effort from workers.
12. Between 25% and 40% more economical than cement.
13. In one process, both coarse and fine plaster, as well as heat, fire and sound insulation are made.
14. It eliminates the unnecessary cost of products. Since cement requires a mixture of sand, cement and lime. No additives.
15. Despite the limited life of other thermal insulations, WERNER PLASTER'S LIFE IS THE LIFE OF THE BUILDING.

APPLICATION AND SURFACE PREPARATION

Surfaces must be free of dust, oil and loose parts. If necessary, it should be cleaned with water a day before hand. Absorbent surfaces should be watered the day before. Very absorbent surfaces may cause harmless hairline cracks as they will absorb the water of the plaster. Large gaps and joints should be repaired with conventional plaster or WERNER plaster at least one day in advance.

MANUAL APPLY

15 liters of water for a bag of plaster material are poured into a plastic container, preferably large enough to mix at least one bag of WERNER plaster easily. It is mixed for 3-4 minutes until it becomes homogeneous with a low speed electric mixer. The spirals (vanes) at the end of the mixer should not be in the form of wires, but should be wide. The amount of water can be increased or decreased according to the desired consistency. When the plaster is applied to the wall surface with a thickness of 2-3 cm, it should have a consistency that will not flow and sag. The prepared plaster should be used within two hours.

The prepared material is first fed to the floor with a plaster trowel, an adhesion surface is created. Joint gaps are filled. Before the surface dries, the gaps between the anodes are filled. Depending on the consistency, 3 cm thick plaster can be applied at once. Immediately after the gaps are filled, correction is made with an aluminum gauge. Sword gauge is used in the gauging process. Or, by holding the screed inclined, screeding is done by pulling it from bottom to top.



If the exposed concrete, Gypsum Board, EPS, XPS, aerated concrete surfaces are oily or smooth, spread plaster or adherence primers should be applied. In manual application, a worker can apply between 80-100 m² during 8 hours of work.

MACHINE APPLY

First of all, large joints and holes on the surface should be filled and repaired. After the water adjustment of the machine is made, the material should be as thick as possible. When the main gaps are filled, the mastering process is started immediately before the surface dries. Screeding is done so that its pointed corner touches the plaster and by pulling it from the bottom up. With one machine, plaster application can be made between 1000-1400 m² during 8 hours of work.

EXTERIOR APPLICATION

At least one day after the screeding process of the plaster application by hand or machine on the exterior, the finishing-polishing process is started. WERNER decorative plaster is applied in 3-5mm thickness.

APPLICATION CONDITIONS

Application surface and ambient temperature must be above 5°C. Considering the excessive moisture loss at temperatures above 50°C, the mixing water should be increased and the surface should be kept moist by soaking for 1 day after the surface hardening phase. In these cases, the application should be done in two batches in 1-2 cm intervals instead of 2-3 cm at once. It is not applied on frozen surfaces or on surfaces where there is a risk of frost and heavy rain within 24 hours.

MATTERS TO BE CONSIDERED

Avoid applying in strong wind or sun. The time is longer at low temperatures and shorter at high temperatures. It should not be applied to frozen, melting or frozen surfaces within 24 hours. Appropriate plaster mesh should be used at different material connection points and at points where movement can be considered.

STORAGE:

Protect from frost, rain and other weather conditions.

ENVIRONMENTAL IMPACTS:

Not classified as dangerous.

TECHNICAL SPECIFICATIONS

Theoretical Consumption	10 Litre/m ² /cm
Dry Density (Setting)	250 Kg/m ³
Thermal Conductivity	T1
Compressive Strength	CSI (0.9N/mm ²)
Water Vapor Permeability	4.7
Capillary water absorption	W1
Adhesion Strength	3.2Kgf/cm
Sound Insulation (2cm Thickness)	22db/500hz
Fire Resistance (4cm)	F120 / 120 Minutes
Packaging	40 Liter / Bag (±02%)
Appearance	White color Powder
Application Temperature	+5°C +50°C
Application Thickness	10mm – 50mm
Application time	45 minutes
Method of Application	Steel Trowel-Pump
Initial Drying	8 hours
First Setting Time	72 Hours
Fire Class	A1
Shelf life	12 months in dry environment in unopened package

* These values were obtained as a result of laboratory experiments and are valid for the performance of the finished applications after 28 days. Values may vary due to differences in construction site environment.



ACOUSTIC

SOUND INSULATION
PLASTER

PRODUCT DESCRIPTION:

Port Land is a ready-made interior wall insulation plaster containing cement, expanded perlite and inorganic fillers, reinforced with additives that do not harm health and the environment in accordance with European norm directives, ISO and TSE conditions, providing 40-50% energy saving with SOUND-HEAT and FIRE insulation conditions.

USAGE AREAS:

It is used directly on the interior facades of buildings, columns and beams, rough and fine plaster, brick, and pumice. Primer should be used on exposed concrete, gas concrete, Gypsum Board, EPS, XPS and painted surfaces.

ROOF/TERRACE COVERING:

It can be used as a minimum 5 cm topcoat on the concrete floor in the closed roof floors of all kinds of buildings. Since it is compatible with the building floor, it does not require a mezzanine application before the application. As a result of the application, it provides a minimum of 40-50% energy saving due to its thermal insulation feature, and 55 db sound insulation with its sound insulation feature.

FEATURES:

1. The thermal conductivity performance is T1 class. It provides 40-50% savings in heating and cooling costs. It provides a warm environment in the winter and cool in the summer inside the buildings.
2. The A1 class is a non-combustible material. It prevents the carrier systems of the buildings from being damaged in the fire. It is the fire insurance of the buildings. It does not produce suffocating and poisonous gases during fire.
3. Creates healthy environments It has breathing and moisture balancing feature that prevents mold and fungus formation.
4. It has no carcinogenic effect. It does not contain substances harmful to human health or the environment.
5. Four times lighter than traditional plaster. The liquid load of the building is reduced, that contribute to earthquake safety.
6. It has a very long life. Since it is cement based.
7. It has sound absorbing feature. It has 55 db sound insulation value in 5 cm thickness in total. Eliminates reverberation and ringing.
8. Can be applied by machine and hand.
9. Easy to prepare and apply. Saves labor and time.
10. Between 25% and 40% more economical.
11. In one process, both coarse and fine plaster, as well as heat, fire and sound insulation are made.
12. Unlike mortar that is consisting of a mixture of sand, cement, and lime is not required. It eliminates the unnecessary cost.
13. Despite the limited life of other thermal insulations, WERNER PLASTER'S LIFE IS LIKE THE LIFE OF THE BUILDING.

APPLICATION AND SURFACE PREPARATION:

Surfaces must be free of dust, oil and loose parts. If necessary, it should be cleaned with water a day beforehand. Absorbent surfaces should be watered the day before. Very absorbent surfaces may cause harmless hairline cracks as they will absorb the water of the plaster. Large gaps and joints should be repaired with conventional plaster or WERNER plaster at least one day in advance. On painted surfaces, 4-5 notches are scored per 10 cm². Swelled paint and hollow plasters are scraped from the surface. Painted surfaces must be primed.

MANUAL APPLY:

15 liters of water for a bag of plaster material are poured into a plastic container, preferably large enough to mix at least one bag of WERNER plaster easily. It is mixed for 3-4 minutes until it becomes homogeneous with a low speed electric mixer. The spirals (vanes) at the end of the mixer should not be in the form of wires, but should be wide. The amount of water can be increased or decreased according to the desired consistency. When the plaster is applied to the wall surface with a thickness of 2-3 cm, it should have a consistency that will not flow and sag. The prepared plaster should be used within two hours.

The prepared material is first fed to the floor with a plaster trowel, an adhesion surface is created. Joint gaps are filled. Before the surface dries, the gaps between the anodes are filled. Depending on the consistency, 3 cm thick plaster can be applied at once. Immediately after the gaps are filled, correction is made with an aluminum gauge. Sword gauge is used in the gauging process. Or, by holding the screed inclined, screeding is done by pulling it from bottom to top. If the exposed concrete, Gypsum Board, EPS, XPS, aerated concrete surfaces are oily or smooth, spread plaster or adherence primers should be applied. In manual application, a worker can apply between 80-100 m² during 8 hours of work.



MACHINE APPLY

First of all, large joints and holes on the surface should be filled and repaired. After the water adjustment of the machine is made, the material should be as thick as possible. When the main gaps are filled, the mastering process is started immediately before the surface dries. Screeding is done so that its pointed corner touches the plaster and by pulling it from the bottom up. With one machine, plaster application can be made between 1000-1400 m² during 8 hours of work.

INTERIOR FINISH APPLICATION (WALL-CEILING)

At least one day after the plaster application by hand or machine on the interior wall and ceiling, the finishing-polishing process is started. For interior wall (20kg) WERNER SATIN is mixed with 6-7 liters of water in a plastic container and glaze putty is prepared. The prepared putty is applied to the surface between 0.2-0.5 cm with a long-nosed polishing trowel so that a smooth surface is obtained. If necessary, the surface is made ready for painting by sanding the trowel marks.

APPLICATION CONDITIONS

Application surface and ambient temperature must be above 5 ° C. Considering the excessive moisture loss at temperatures above 30°C, the mixing water should be increased and the surface should be kept moist by soaking for 1 day after the surface hardening phase. In these cases, the application should be done in two batches in 1-2 cm intervals instead of 2-3 cm at once.

It is not applied on frozen surfaces or on surfaces where there is a risk of frost and heavy rain within 24 hours.

MATTERS TO BE CONSIDERED

Avoid applying in strong wind or sun. The time is longer at low temperatures and shorter at high temperatures. It should not be applied to frozen, melting or frozen surfaces within 24 hours. Appropriate plaster mesh should be used at different material connection points and at points where movement can be considered.

STORAGE TRANSPORT

Protect from frost, rain and other weather conditions.

ENVIRONMENTAL IMPACTS

Not classified as dangerous.

TECHNICAL SPECIFICATIONS

Theoretical Consumption	10Litre/m ² /cm
Dry Density (Setting)	550 Kg/m ³
Compressive Strength	T1
Thermal conductivity	CSII (2.2 N/mm ²)
Water Vapor Permeability	8
Capillary water absorption	W1
Adhesion Strength	3.2Kgf/cm
Sound Insulation (2cm Thickness)	55 db/500hz
Fire Resistance (4cm)	F120 / 120 Minutes
Packaging	40 Liter / Bag (±02%)
Appearance	Grey color Powder
Temperature	+5°C +50°C
Application Thickness	10 – 50 mm
Application time	45 minutes
Method of Application	Steel Trowel-Pump
Initial Drying	1 – 2 Hours
First Setting Time	72 hours
Fire Class	A 1
Shelf life	12 months in dry environment in unopened package

* These values were obtained as a result of laboratory experiments and are valid for the performance of the finished applications after 28 days. Values may vary due to differences in construction site environment.



TERRACE SCREED

SOUND & THERMAL
INSULATION SCREED MORTAR

PRODUCT DESCRIPTION

It is a surface smoothing screed for insulation purposes that is not affected by water and humidity, supported by additives that do not harm health and the environment, obtained by reinforcing natural material mixtures and high-performance components. It provides heat, water, sound and fire insulation between concrete roofs and terrace floors.

USAGE AREAS:

It is suitable for all types of floors, terraces, attic, concrete floors. WERNER Terrace screed can be applied on all kinds of flooring without the need for another intermediate layer material. A minimum of 5 cm should be applied on surfaces between open roofs and attics floors. In this way, it provides 40-50% heat saving and 55db sound insulation between floors and open roofs.

FEATURES:

1. Low volume weight and does not impose an extra load on the building.
2. WERNER Terrace screed applied at least 5 cm that absorbs 55 db of sound.
3. Thermal insulation by preventing heat losses from the ground with its conductivity value.
4. Suitable for all kinds of construction applications.
5. Save time from labor costs with its practical application method.
6. Cement-based, so it is long-lasting. It is composed of 98% natural raw materials and is an ecological product that is sensitive to the environment and human health.
7. A1 class non-combustible material. It does not produce suffocating and poisonous gases during fire.

SURFACE PREPARATION:

The floor slab on which the application will be made must first be cleaned of dust. If there are anti-adhesive materials such as paint, oil, etc., the preparation should be completed by cleaning them.

METHOD OF APPLICATION

The leveling screed, which is prepared in its consistency, is applied on the slightly damp surface with a steel trowel or plaster pump in one layer and the master is done. No foreign material should be added to the prepared mixture. (Lime, Plaster, Cement etc.)

APPLICATION DETAIL

Manual application, it should be mixed with an average of 12-15 liters of water with a low-speed drill for 3-4 minutes, poured onto the floor, and left to dry by screeding.

Machine application, it should be mixed with approximately 15-18 liters of water and pumped to the surface. When the desired thickness is reached, it should be left to dry by screeding.

APPLICATION CONDITIONS

Application surface and ambient temperature should be above 5°C. Considering excessive moisture loss at temperatures above +50°C, the mixing water should be increased and the surface should be kept moist by wetting it for 2 days after the surface hardening phase.

MATTERS TO CONSIDER

1. Avoid application under strong wind or sun. At low temperature the time is longer, at high temperature it is shorter. It should not be applied on surfaces that are frozen, melting or at risk of frost within 24 hours.

ENVIRONMENTAL EFFECTS:

Not classified as dangerous.

TECHNICAL SPECIFICATIONS

Theoretical Powder Consumption	10 Liters/m ² /cm
Dry Density	600 Kg/m ³
Thermal Conductivity	T1
Compressive Strength	CSII (2,5N/mm ²)
Water Vapor Permeability	8
Capillary Water Absorption	W1
Adhesion Strength	3.2Kgf/cm
Sound Insulation (5cm Thickness)	55db/500hz
Packaging	40 Liters / Bag (±02%)
Appearance	Gray Color Powder
Application Temperature	+5°C +50°C
Application Thickness	20mm – 50mm
Application time	45 minutes
Method of Application	Steel Trowel-Screed Pump
Initial Drying	1-2 Hours
Setting Time	72 Hours
Shelf life	12 months in dry environment in unopened package
* These values were obtained as a result of laboratory experiments and are valid for the performance of the finished applications after 28 days. Values may vary due to differences in construction site environment.	



SCREED

SOUND & THERMAL
INSULATION SCREED MORTAR

PRODUCT DESCRIPTION

It is a surface smoothing screed for insulation purposes that is not affected by water and humidity, supported by additives that do not harm health and the environment, obtained by reinforcing natural material mixtures and high-performance components. It provides heat, water, sound and fire insulation between the mezzanine floors, open wood, sheet metal, concrete roofs and terrace floors.

USAGE AREAS:

It is suitable for all types of floors, terraces, concrete floors. WERNER screed can be applied on all kinds of flooring without the need for another intermediate layer material. A minimum of 5 cm should be applied on surfaces between open roofs and floors. In this way, it provides 40-50% heat saving and 55db sound insulation between floors and open roofs.

FEATURES:

1. Low volume weight and does not impose an extra load on the building.
2. WERNER screed applied at least 5 cm that absorbs 55 db of sound.
3. Thermal insulation by preventing heat losses from the ground with its conductivity value.
4. Suitable for all kinds of construction applications.
5. Save time from labor costs with its practical application method.
6. Cement-based, so it is long-lasting. It is composed of 98% natural raw materials and is an ecological product that is sensitive to the environment and human health.
7. A1 class non-combustible material. It does not produce suffocating and poisonous gases during fire.

SURFACE PREPARATION:

The floor slab on which the application will be made must first be cleaned of dust. If there are anti-adhesive materials such as paint, oil, etc., the preparation should be completed by cleaning them.

METHOD OF APPLICATION

The leveling screed, which is prepared in its consistency, is applied on the slightly damp surface with a steel trowel or plaster pump in one layer and the master is done. No foreign material should be added to the prepared mixture. (Lime, Plaster, Cement etc.)

APPLICATION DETAIL

Manual application, it should be mixed with an average of 12-15 liters of water with a low-speed drill for 3-4 minutes, poured onto the floor, and left to dry by screeding.

Machine application, it should be mixed with approximately 15-18 liters of water and pumped to the surface. When the desired thickness is reached, it should be left to dry by screeding.

APPLICATION CONDITIONS

Application surface and ambient temperature should be above +5°C. Considering excessive moisture loss at temperatures above +30°C, the mixing water should be increased and the surface should be kept moist by wetting it for 2 days after the surface hardening phase.

MATTERS TO CONSIDER

1. Avoid application under strong wind or sun. At low temperature the time is longer, at high temperature it is shorter. It should not be applied on surfaces that are frozen, melting or at risk of frost within 24 hours.

ENVIRONMENTAL EFFECTS

Not classified as dangerous.

TECHNICAL SPECIFICATIONS

Theoretical Powder Consumption	10 Liters/m ² /cm
Dry Density	600 Kg/m ³
Thermal Conductivity	T1
Compressive Strength	CSII (2,5N/mm ²)
Water Vapor Permeability	8
Capillary Water Absorption	W2
Adhesion Strength	3.2Kgf/cm
Sound Insulation (5cm Thickness)	55db/500hz
Packaging	40 Liters / Bag (±02%)
Appearance	Gray Color Powder
Application Temperature	+5°C +50°C
Application Thickness	20mm – 50mm
Application time	45 minutes
Method of Application	Steel Trowel-Screed Pump
Initial Drying	1-2 Hours
Setting Time	72 Hours
Shelf life	12 months in dry environment in unopened package
* These values were obtained as a result of laboratory experiments and are valid for the performance of the finished applications after 28 days. Values may vary due to differences in construction site environment.	



DECO
DECORATIVE PLASTER

PRODUCT DESCRIPTION

Mineral Textured Decorative Plaster Mortar is a white cement-based, one-component, polymer-added, decorative top coat paint with 2 mm mineral grain texture, applied with a trowel.

USAGE AREAS

It is used as a finishing material on the facades of all buildings or in external thermal insulation systems.

SURFACE PREPARATION

The application surface must be free from dust and oil, the surface must be flat (on the gauge) or polished. Holes or large cracks should be repaired beforehand. If the surface is too dry or absorbent, it should be watered to make it slightly moist. The surface should be firm and not crumble.

APPLICATION DETAIL

For 25 kg of WERNER Deco, put 6 - 6.5 liters of clean water in a clean container. WERNER Deco is slowly added to the water and mixed with a low speed mixer until homogeneous and no lumps remain. The prepared mortar is applied with a trowel, steel trowel or spatula. The material should be applied to the surface with a steel trowel and spread over the entire surface in equal thickness. The application thickness should be adjusted according to the largest aggregate. Within 10 minutes at the latest, while the material is still wet, the plaster should be patterned by making circular movements with a plastic trowel.

APPLICATION CONDITIONS

The application environment or surface temperature should be +5°C and above. If the air temperature is high after the application is completed, the surface should be moistened until the cement sets. It should not be applied to frozen surfaces or surfaces that are in danger of frost and heavy rain within 24 hours.

STORAGE

It should be protected from frost, rain-like weather conditions. Not classified as dangerous.

TECHNICAL SPECIFICATIONS

Theoretical Consumption	8m ² /1 Bag/2mm
Brightness	G
Dry film thickness	E 5
Grain size	S 4
Water vapor transmission rate	V 0
Water transfer rate	W 0
Crack coating	A 0
Shelf life	12 months in dry environment in unopened package
Packing	25Kg / Craft Bag (±02%)
Appearance	White Powder
Application Temperature	+5°C +50°C
Application Thickness	2-5mm
Application Time	2.5 hours
Application Tools	Steel Trowel, Plastic Trowel
First Drying	1 Hour
Getting ready to paint	24 Hours
<p>• These values are obtained from laboratory tests. The information given is valid for 23 ± 2°C temperature and 50 ± 5% humidity application areas.</p>	



SATIN
SATIN PLASTER

PRODUCT DESCRIPTION

Water and moisture resistant satin plaster modified with white cement, inorganic filling materials and additives that do not harm health and the environment, complying with European directives.

ADVANTAGES

It is not affected by water or humidity. It holds the paint very well and prolongs its life, Easy to apply, can be sanded

USAGE AREAS

It is used on wall and ceiling surfaces, cement-based smooth or glossy surfaces, fiber cement and plasterboard surfaces.

SURFACE PREPARATION

The application surface must be free from dust and oil, and the surface should be smooth or shiny.

Holes or large cracks should be repaired beforehand. If the surface is excessively dry or absorbent, it should be watered to make it slightly damp. The surface should be firm and not crumble.

APPLICATION DETAIL

6-7 liters of water is placed in a suitable sized plastic container.

A bag (20kg) of WERNER-Satin is added on it.

Mixed for 2-3 minutes until it becomes homogeneous with a low speed mixer.

The amount of water can be increased or decreased according to the desired consistency.

Can be applied with a plaster trowel or long-nosed trowel.

Sanding can be done after the surface has dried.

For surfaces that are not smooth enough, a second application is made and the surface is made ready for painting.

It should be kept moist for 3 days after application.

APPLICATION CONDITIONS

Application surface temperature should be +1°C and above, do not apply within 24 hours on frozen surfaces or surfaces that are at risk of frost and heavy rain. Protect from frost, rain and other weather conditions.

STORAGE :

It should be protected from frost, rain-like weather conditions.

ENVIRONMENTAL IMPACTS:

Not classified as dangerous

TECHNICAL SPECIFICATIONS

Theoretical Consumption	8 Kg m ² /Bag/2mm
Bond strength	0.4Nmm ² FP:B
Compressive Strength	CSIII
Water Vapor Permeability	μ25
Capillary Water Absorption	W1
Adhesion Strength	3.2Kgf/cm
Time to Get Ready to Paint	48 Hours
Shelf life	12 months in dry environment in unopened package
Packaging	20Kg / Bag (±%2)
Appearance	White Powder
Application Temperature	≥ +1°C
Application Thickness	2 – 5mm
Application Time	45 minutes
Application Tools	Steel Trowel
First drying	1 Hour

* These values were obtained as a result of laboratory experiments and are valid for the performance of the finished applications after 28 days. Values may vary due to differences in the construction site environment.





**4 DIFFERENT INSULATIONS WITH
ONE LAYER APPLICATION**

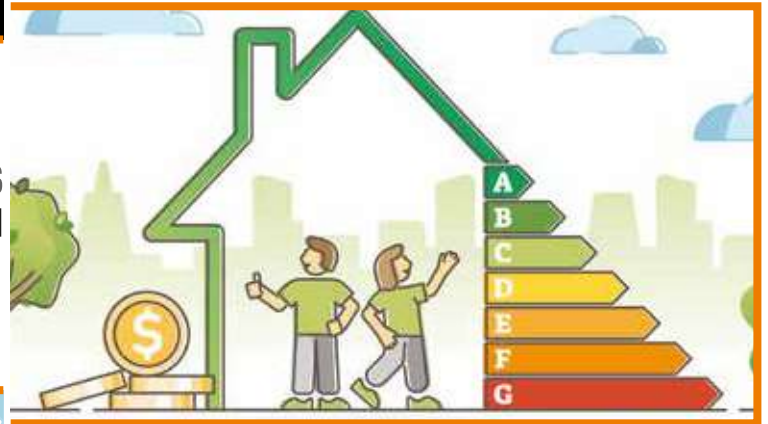


FIRE PROOFING
A1 CLASS / 1100 °C

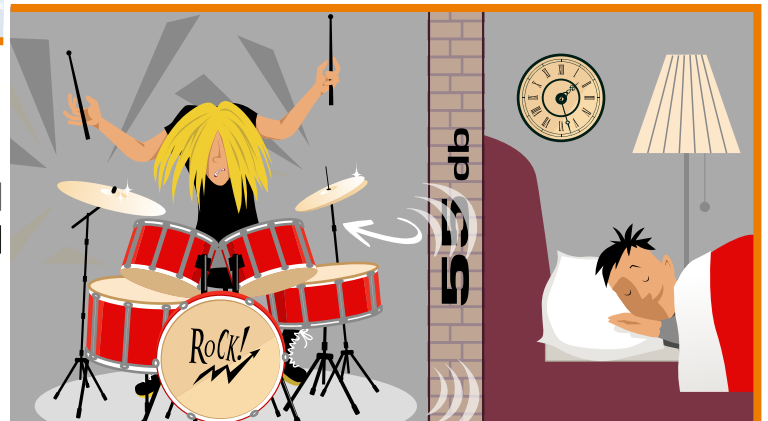
**FOUR SEASONS
THERMAL INSULATION**



**NATURAL EFFECT IN
SOUND INSULATION**



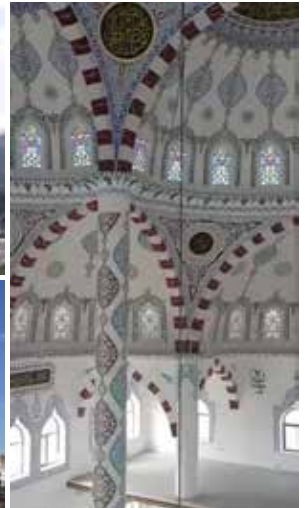
**RESISTANT AGAINST MOISTURE,
WATER AND SEASONAL EFFECTS**



SUPERIOR PROTECTION PROVIDED
BY WERNER FOR ALL BUILDINGS



SOME REFERENCES



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ALL SEASONS
INSULATION

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