



ALL SEASONS  
ISOLIERUNG



SUPERIOR PROTECTION PROVIDED  
BY WERNER FOR ALL BUILDINGS



"With New Generation  
Insulation Products"

**THE FUTURE OF  
THE STRUCTURES  
AND BUDGET**

Under Our Protection



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PRESENTATION.

# WHAT IS **WERNER** ?

## **VOLCANIC PLASTER**

PERLIT is a porous glass type volcanic material with water droplets in the mass after rapid cooling of volcanic lava. WERNER contains natural silicates and inorganic fillers composed of components of this mine. It is a mixture of interior and exterior insulation plaster, which provides WATER, HEAT and FIRE insulation, which is modified with human and natural harmony additives according to European norms and ISO requirements.



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# WHY WERNER ?



### Definition

With porous and natural aggregates in the structure, it provides sound and fire insulation on the surface where it is applied. Prevents perspiration due to breathability.



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# WERNER

## Single Layer Practical Insulation...



FIRE INSULATION



HEAT & COLD  
INSULATION



SOUND INSULATION



WATER INSULATION



### Natural and Environmentalist

It creates breathtaking buildings with its natural ingredients.  
With insulation solutions offer you the health and comfort for all seasons  
and in all circumstances. And it gives life the building.



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## Multi-layer insulation systems (stone wool, styrofoam)



**EASY AND RAPID  
APPLICATION**

## Single layer insulation system WERNER (Plaster)





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# Application Areas



TEXTURE COMPATIBILITY AND LONG LIFE



## Application Areas

It is applied on exterior and interior walls, ceilings and floors of new and old buildings.  
 It is applied on all kinds of wall elements according to the description.  
 It is applied for fire insulation of the carrier system in steel structures.



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# CORRECT INSULATION CORRECT INVESTMENT



HEAT INSUL



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- ▶ If insulation is applied with natural insulation materials, it will be stay cool all day long and stay warm at night.



HEAT INSULATION





**RESISTANCE AGAINST  
MOISTURE, WATER AND  
SEASONAL IMPACTS**



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Discover  
the potential



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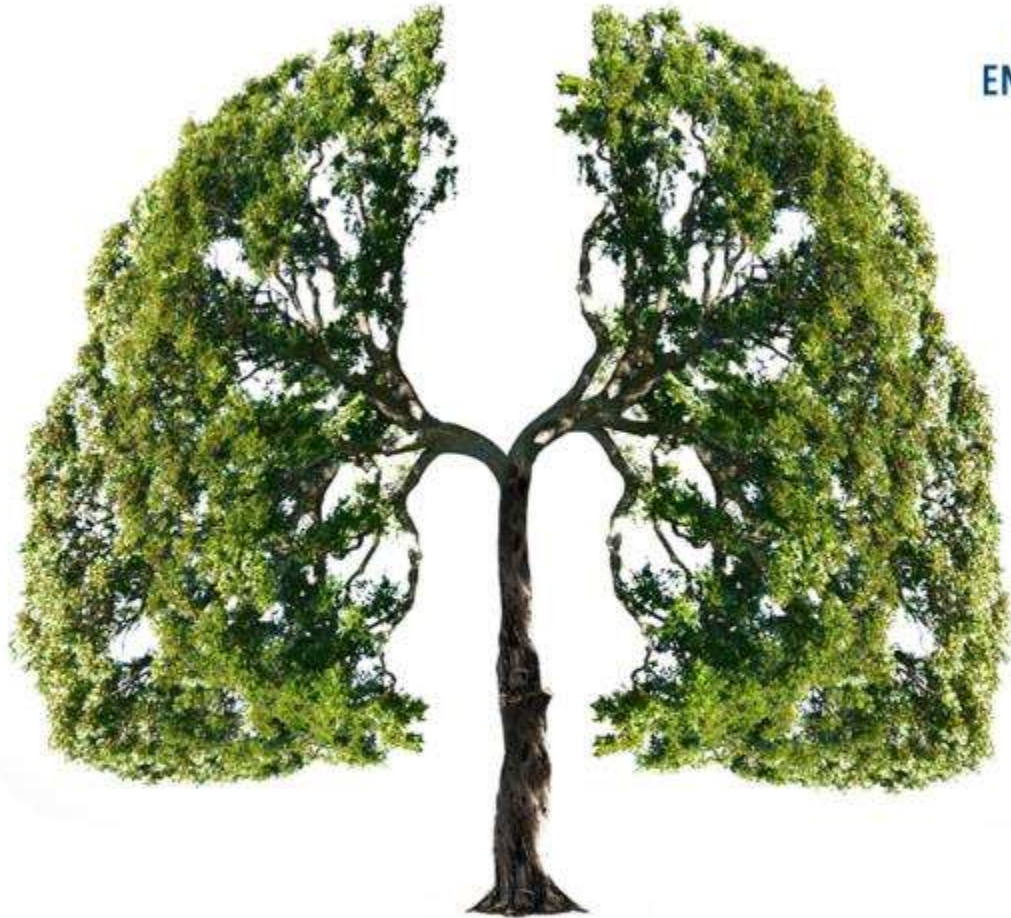
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NATURAL, HEALTHY  
ENVIRONMENT FRIENDLY



BREATHABLE



( $\mu$ ) 4,7



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SOUND INSULA



**55 dB**



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FIRE PROTECT





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**FIRE PROTECTION**



**A1 CLASS / 1100 °C  
F120**

# MAJOR FIRE IN POLAT TOWER

A 17 Temmuz 2012 - 10:54:06



FIRE PROTECTION

# HOTEL FIRE IN POLAT MALTEPE ISTANBUL

DHA - CİHAN 12 Ocak 2016 - 10:47:00





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**WATER INSULATION**



**W1**



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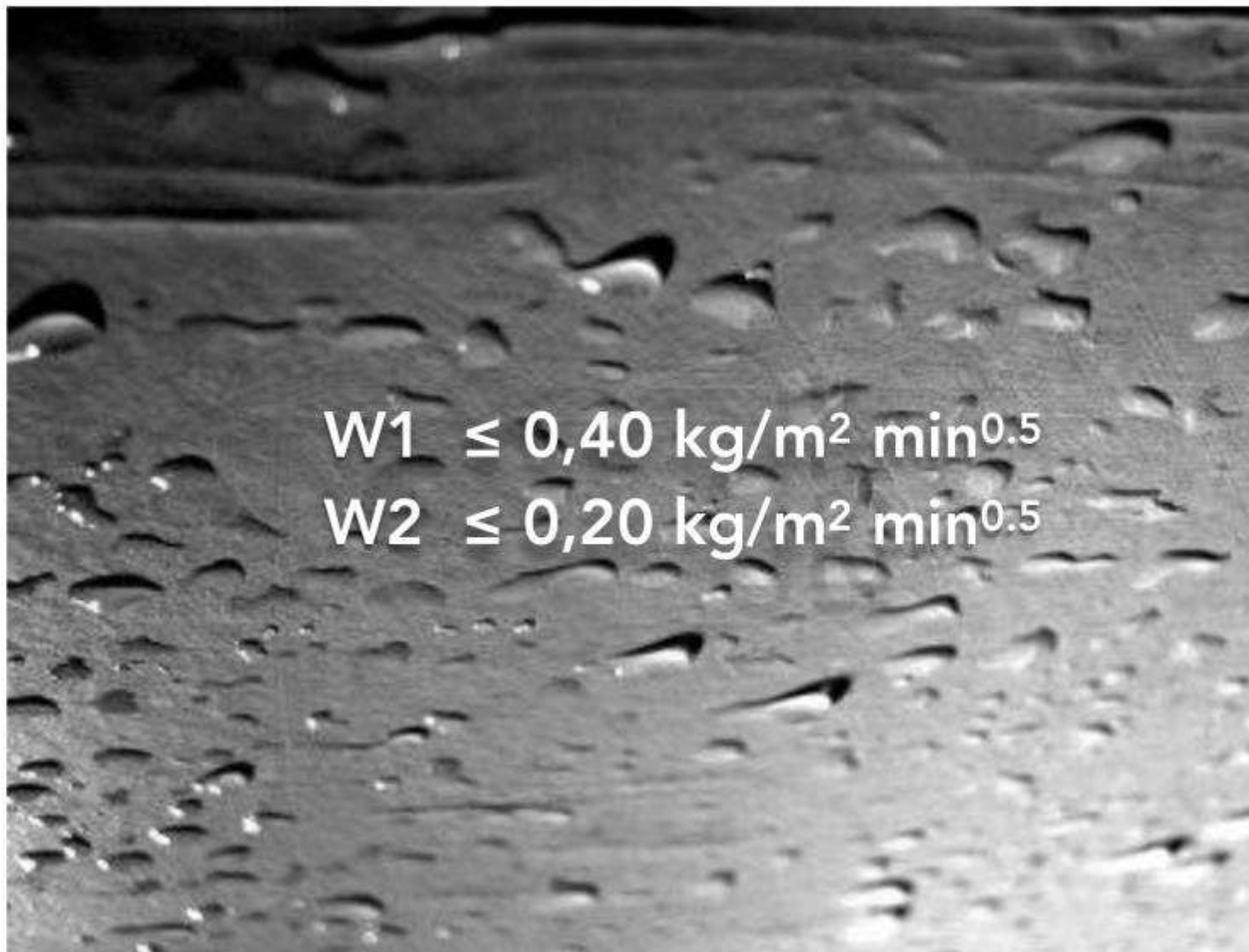


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**WERNER has hydrophobic properties  
in all its products.  
It supports water and moisture insulation  
to create healthier buildings.**



**WATER INSULATION**



$$W1 \leq 0,40 \text{ kg/m}^2 \text{ min}^{0.5}$$

$$W2 \leq 0,20 \text{ kg/m}^2 \text{ min}^{0.5}$$





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**EASY AND RAPID  
APPLICATION**





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PLASTER 	
Thermal Conductivity $\lambda$	T1
Dry Unit Volume Weight	250 Kg /m <sup>3</sup>
Compressive strength	CS1 (0.9N/m <sup>2</sup> )
Capillary Water Absorption	W1
Water Vapor Permeability $\mu$	4.7
Reaction to Fire Class	A1 Non-Combustible
Fire Resistance (4cm)	F120 /120 Minutes
Sound Insulation	(2cm) 18db
Color	White
Packaging	40 Liters

ACOUSTIC 	
Thermal Conductivity $\lambda$	T1
Dry Unit Volume Weight	550 Kg /m <sup>3</sup>
Compressive strength	CSII (2.2N/m <sup>2</sup> )
Capillary Water Absorption	W1
Water Vapor Permeability $\mu$	8
Reaction to Fire Class	A1 Fireproof
Fire Resistance (2cm)	F60 /60 Minutes
Sound Insulation (5cm)	55db
Color	Gray
Packaging	40 Liters

SCREED 	
Thermal Conductivity $\lambda$	T1
Dry Unit Volume Weight	600 Kg /m <sup>3</sup>
Compressive strength	CSII
Capillary Water Absorption	W1
Water Vapor Permeability $\mu$	25
Reaction to Fire Class	A1 Fireproof
Fire Resistance (2cm)	F120 /120 Minutes
Sound Insulation (5cm)	55db
Color	Gray
Packaging	40 Liters



## EXTERIOR FAÇADES AND GROUND INSULATION





## HOTEL PROJECTS





## HOTEL PROJECTS





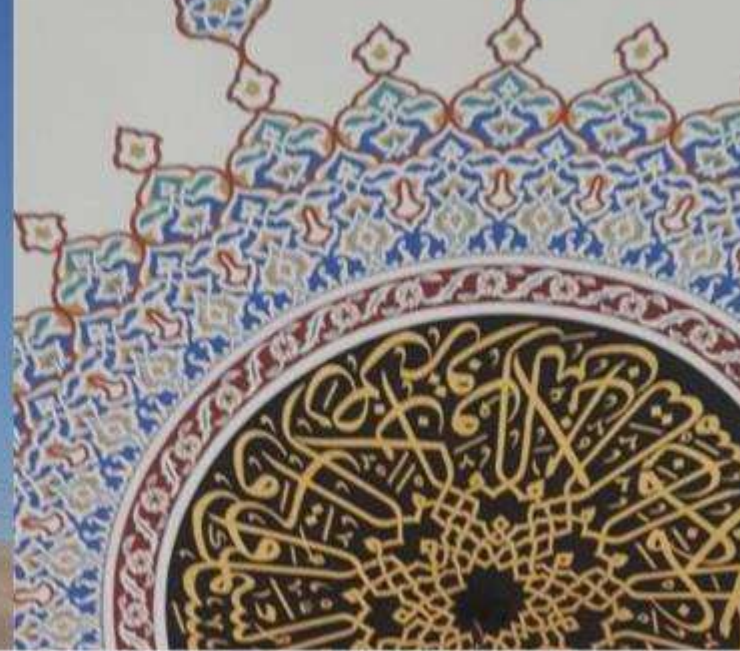
## UNIVERSITY PROJECTS





# HIGH BUILDINGS





# MOSQUES PROJECTS





TEXTURE COMPATIBLE  
AND LONG LIFE



VILLA PROJECT





## RESIDENCE PROJECTS



AND MORE PROJECTS



AND MORE PROJECTS





**THANKS**