

THE FUTURE OF INSULATION

NANOCERAMIC REVOLUTION

INTELLIGENT PROTECTION IN EVERY ENVIRONMENT

GWR NANO is a leading insulating coating that uses unique nanoceramic technology to deliver **thermal, fire, water** and **corrosion protection** at a minimal thickness of just 0.5 mm.



THERMAL INSULATION

High insulation efficiency at minimal layer thickness.



FIRE RESISTANCE

Meets strict requirements ASTM E84.



PROTECTION

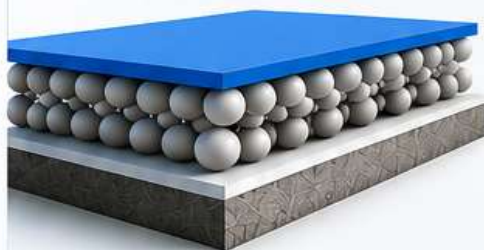
Protects against water, corrosion, condensation and mold.



ECOLOGICAL

Non-toxic, vapor permeable, safe for the environment.

UNIQUE NANOCERAMIC TECHNOLOGY



Layer thickness 0.5 mm
R GWR NANO 0.5 mm
= **2 272 m²K/W**

Layer thickness 0.7 mm
R GWR NANO 0.7 mm
= **3 182 m²K/W**

Layer thickness 1.0 mm
R GWR NANO 1.0 mm
= **4 545 m²K/W**



CERTIFIED QUALITY



Officially registered in the **NATO** database with **NATO** registration number



APPLICATIONS



CONTAINERS & WAREHOUSES

Stable temperature for storing sensitive materials.



TRAILERS & TRANSPORT

Reduces energy consumption in refrigerated vehicles by **up to 43 %**.



INDUSTRIAL FACILITIES

Maintains stable temperature and saves energy.



TENTS, SHELTERS & HALLS

Improves thermal stability, waterproofing and surface durability.



MOBILE & MILITARY SOLUTIONS

Maximum mobility, quick application in any environment.



SPECIAL TRAILERS FOR ASPHALT TRANSPORT

High thermal protection and temperature retention of asphalt mixture.

WHY CHOOSE GWR NANO?

- ✓ Minimal surface preparation – applicable to almost any material
- ✓ Fast and easy application – no special tools or equipment
- ✓ Thin, flexible and elastic coating – no loss of space
- ✓ Prevents condensation, mold and corrosion
- ✓ Long service life – 20+ years warranty
- ✓ Energy savings – up to **43 %**
- ✓ Eco-friendly solution – non-toxic, VOC free



KEY BENEFITS



ENERGY SAVINGS



LONG SERVICE LIFE



FAST APPLICATION



SURFACE PROTECTION



HEALTHY ENVIRONMENT



LOW COSTS

CONTACT



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ONE TECHNOLOGY = PROTECTION IN EVERY ENVIRONMENT

HEAT + FIRE + WATER + FLEXIBILITY + MOBILITY
CONSTRUCTION, INDUSTRY, TRANSPORT & TEXTILE SECTORS

GWR NANO

Š-DopTech
S.R.O.

INTELLIGENT INSULATION FOR TRAILERS

Lower energy consumption • Stable temperature • Longer lifespan

Innovative nanoceramic insulation coating with the possibility to apply a minimal thickness of the insulation layer of only 0.5 mm.

2,272 m²K/W | 3,182 m²K/W | 4,545 m²K/W



CLASSIC REPLACEMENT FOR INSULATION

Replaces insulation without loss of internal volume.



REDUCES ENERGY CONSUMPTION

In refrigeration units by up to
43%



SUITABLE FOR
REFRIGERATED
WAREHOUSES
AND SPECIAL
TRANSPORT
TRAILERS



TECHNOLOGY
REGISTERED
IN NATO

ENERGY SAVINGS

UP TO

43 %



APPLICATION & PROPERTIES

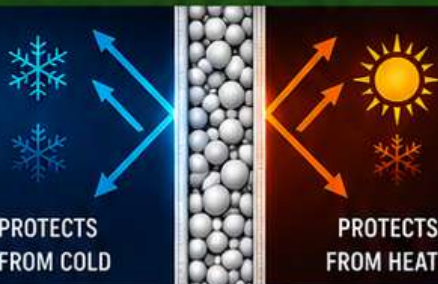
- ✓ Applied by spraying – fast, clean, without cutting and tools
- ✓ Suitable for metal, aluminum and composite surfaces
- ✓ Low weight – only approx. 100 kg per entire trailer

SURFACE AFTER APPLICATION:

- 💧 waterproof
- ☀️ resistant to UV radiation
- 🌀 vapor permeable
- 🛡️ anti-corrosion



HOW THERMAL INSULATION WORKS



- ✓ Layer contains microscopic ceramic spheres which reflect and retain heat
- ✓ Reduces heat exchange between the inside and the outside environment
- ✓ Works both ways – protects from cold and from heat
- ✓ Maintains a stable temperature inside the trailer

BENEFITS FOR THE OPERATOR

- ✓ Maintains asphalt temperature during transport on long routes
- ✓ Increases insulation properties of refrigerated and isothermal trailers
- ✓ Lower energy consumption
- ✓ Longer vehicle lifespan
- ✓ Less maintenance and less condensation
- ✓ Fast application – minimal vehicle downtime
- ✓ Lower weight = lower fuel consumption



SUSTAINABILITY & ECOLOGY



Does not contain volatile organic compounds (VOC) – non-toxic and eco-friendly



Less waste during production and application



Long lifespan (30+ years) = fewer replacements needed



Contributes to reducing CO₂ emissions in transport

**THIN LAYER.
BIG DIFFERENCE.**



COLD | HEAT
HUMIDITY | CORROSION
UNDER CONTROL



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ADDITIONAL MODIFICATIONS & TECHNICAL UPGRADES FOR LOW LOADER TRAILERS

RAMPS

ALUMINIUM



STRAIGHT



FOLDING



Reinforced

**Length
3,000 mm**



**Hydraulically
Folded**

**Length
3,800 / 5,000 mm**

DECK-MOUNTED RAMPS



RAMP INFILL OPTIONS

EXOTIC HARDWOOD



STEEL GRATING



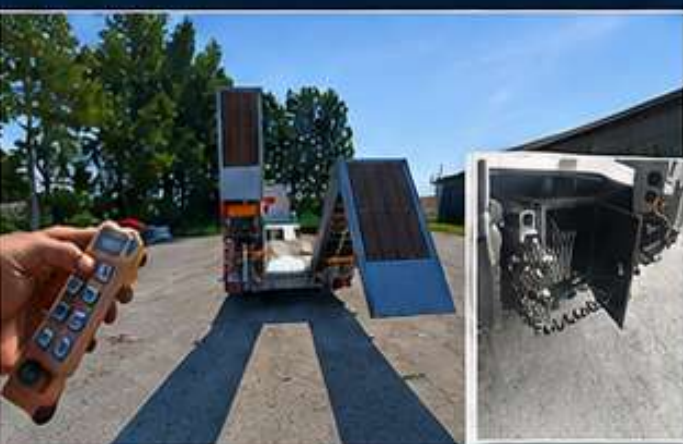
STEEL PLATE



ANTI-SLIP RAMP SURFACE

- › Bar or dot anti-slip profile according to machine type
- › Safe loading even in adverse conditions
- › Excellent traction for machines with rubber tyres or steel tracks
- › Reduces the risk of slipping
- › Increases stability during loading

HYDRAULIC RAMP CONTROL



- › Electro-hydraulic Power Pack
- › Ramp lifting and lowering
- › Side hydraulic ramp adjustment
- › Lever or wireless remote control



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CAMERA SYSTEM

FOR LOW BED TRAILERS
AND TRAILER BODY TILTS



SAFETY



PERFECT OVERVIEW



SIMPLE OPERATION

LIVE VIEW FROM 4 CAMERAS SIMULTANEOUSLY ON THE MONITOR



- 1 Camera 1: Front of the semi-trailer – front platform – monitoring the loaded cargo
 - 2 Camera 2: Rear of the semi-trailer – view of the area behind the vehicle for easier maneuvering and reversing
 - 3 Cameras 3 & 4: Dead angle monitoring – side views of the trailer – comfortable visibility to the right and to the left
- Possibility to install the camera on low bed trailers and trailer body tilts, for example to monitor cargo during transport (e.g. forestry machinery).

REMOTE CONTROLLER

- Remote control with accessory
- Turning on and off the cameras using the remote control
- Turning on and off auxiliary lights using the remote control
- Turning on and off the steering axle lock using the remote control



PROFESSIONAL CAMERAS

- ✓ High image resolution
- ✓ Night vision
- ✓ Wide-angle lenses
- ✓ Dust, dirt and vibration resistant
- ✓ Compact and durable design
- ✓ Reliable operation in all weather conditions



PROFESSIONAL INSTALLATION

- ✓ Complete electrical installation
- ✓ Precise cable routing
- ✓ Professional connections
- ✓ Setup of the entire system on all types of trailers
- ✓ Testing before handover
- ✓ Quality components with a long lifespan



SYSTEM BENEFITS



**INCREASED
SAFETY**



**BETTER OVERVIEW
WHEN LOADING**



**EASY RAMP
CONTROL**



**CONTROL OF
THE REAR OF THE
TRAILER**



**SIMPLE CAMERA
SWITCHING**



**HIGHER WORK
SAFETY**



**HIGH QUALITY IMAGE
IN ALL WEATHER
CONDITIONS**



THE SYSTEM CAN BE CUSTOMIZED TO THE CUSTOMER'S REQUIREMENTS
Number of cameras and their placement according to the type of trailer and its intended use.



**INSTALLATION ON ALL TYPES
OF LOW BED TRAILERS AND TRAILERS**



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ONE PRODUCT,
PERFECT CLEANLINESS AND SOFTNESS

Silnett

EXTRA EFFECTIVE WASHING POWER
FOR COLORED AND WHITE CLOTHES



EXTRA EFFECTIVE WASHING POWER
for colored and white clothes



PERFECT CLEANING
even in cold and warm water



HYPOALLERGENIC
gentle on sensitive skin



**FREE FROM AGGRESSIVE
CHEMICALS**



**WITH A PLEASANT,
LONG-LASTING FRAGRANCE**



4 L – up to 100 washes / 2 in 1
(contains no bleach)



**100% MADE
IN HUNGARY**



- ✓ effectively removes stubborn stains
- ✓ removes grass and mud stains
- ✓ thoroughly cleans even at low temperatures
- ✓ does not harm beneficial bacteria in septic systems and wastewater



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**100% MADE
IN HUNGARY**

Cleanliness you can feel. Softness you will love. ♥