

TECHNICAL DATA SHEET

EURAS® Gel Type B – Waterproofing Injection Gel

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Prepared by: EURAS Technology LTD

Product Overview

EURAS® Gel Type B is a one-component, mineral-origin injection gel designed for advanced waterproofing of both underground and aboveground structures. It offers robust protection against groundwater infiltration, capillary action, and drainage water.

Key Features & Advantages

- Exceptional hygroscopic properties and flexibility
- Superior water absorption and displacement capabilities
- Strong adhesion and cohesion with a wide range of substrates
- High resistance to diffusion and aggressive groundwater constituents
- High alkaline pH (>9.0) for enhanced durability
- Unlimited resistance to aging; remains fluid over time
- Withstands extreme temperatures (-25°C to +100°C)
- UV-resistant and non-degradable under sunlight
- Suitable for use with soft, acidic water (low pH, aggressive to concrete)
- Can be applied to weak substrates (cohesion/tensile strength <1.5 N/mm²)
- Effective on wet, moist, or fully submerged surfaces
- Compatible as a carrier for additives (e.g., micro-cement, rubber powder, zeolite)
- Non-aggressive to bituminous surfaces; fully compatible
- Environmentally safe and composed of natural materials

Applications

- Waterproofing of basements, tunnels, foundations, retaining walls, and other critical infrastructure
- Suitable for on-site cast concrete, precast concrete, foam concrete, aerated concrete (siporex), brick, cement/lime mortars, mineral wool, and stone

Packaging

- 25 kg vacuum-sealed concentrate packs

Environmental & Safety Information

- Non-toxic, non-aggressive, and safe for the environment
- Suitable for use in sensitive and natural environments

Limitations

- Product performance based on laboratory data; field results may vary due to site-specific conditions
- For professional use only

Technical Data

Property	Value/Description
Form	Viscous, fluid mass
Appearance (Powder / Gel)	Beige (powder) / Light green (gel)
Density	1.10 – 1.15 g/cm ³
Water Tightness (Liquid Water)	Passed
Water Tightness (Aging)	Passed
Water Tightness (Chemicals)	Passed
Accelerated Aging (Alkaline Environment)	Passed
Compatibility with Bitumen	Fully compatible
Reaction to Fire	Non-flammable / Non-explosive
Visible Defects	None
pH Value	>9.0
Temperature Resistance	-25°C to +100°C
UV Resistance	High

Application Guidelines

- **Method:** Pressure injection (2–200 bar) using standard injection pumps
- **Surface Preparation:** Suitable for use on wet, moist, or water-submerged surfaces; no need for substrate to be dry
- **Installation:** Only to be performed by EURAS® Technology-approved contractors
- **Post-Application:** Water tightness must be verified and approved according to investor specifications

Testing & Certification

- Safety Data Sheet No. 1.1 (05/01/2012)
- WISSBAU® Essen, Preliminary Test Report (08/04/2013)
- IMS Institute, Material Test Report No. UIV-093/10 (26/05/2010)
- National Poison Control Centre, Toxicity Test Report (17/08/2007)

Contact Information

EURAS Technology LTD
 Email: zoran@eurastechnology.com
 Phone: +44 7852 441604
www.eurastechnology.com

Prepared by:

Arch. Zoran Kostić, Graduate Engineer
 EURAS Technology (Cyprus) LTD

All technical data are subject to change without notice. For the latest information, consult EURAS Technology (Cyprus) LTD.