# Technical Data Sheet

## BIONI SYSTEM FOOD I COMPONENT G50.1

Two-component cementeous sealer for mould affected, non-absorbent substrates and high-moisture areas (BASE COAT)

### MATERIAL

Description:
Specially formulated two-component cementeous sealer which delivers a mineral substrate for subsequent finishes with BIONI SYSTEM COMPONENT W23.1.

- can be applied directly to surfaces affected by mould and bacteria (no disinfection or power-washing required)
- no removal of stable bases such as plaster/old paint necessary
- permanently encloses existing fungal biomass by means of an alkaline environment
- provides a physical mold barrier on mould and mildew affected substrates
- superior adhesion due to hydraulic setting
- zero-VOC and environmentally friendly
- odor-free (can be applied in occupied areas)
- water vapor-permeable and moisture resistant

Technical Information:
Form: powder & liquid , viscous (after mixing)
Colour: brown (mixed product)
pH: 11.5-12
Specific Gravity: approx. 1.70 g/cm$^3$

Packaging:
15.0 kg drum (10.0 kg dry component + 5 kg liquid component)

### RECOMMENDE USE

For use in food and beverages manufacturing facilities, catering and kitchen operations.

### APPLICATION

Area of Application:
For internal use on non-absorbent or glossy substrates such as previously-painted glossy walls and ceilings, steel, plastic-/sandwich-panels, ceramic tiles, etc.

Application Methods:
Can be applied by brush, roller or sprayed using suitable equipment.

Surface Preparation:
The surface must be fully cured, clean and free of dirt, contaminants and release agents. It may be dry or damp but free of standing water. Not to be used to stop or prevent water leaks. Remove mildew by scrubbing and washing (no power-washing) and apply BIONI SYSTEM FOOD COMPONENT G50.1. Allow the prime coat to settle for minimum 24h.

Typical Recommended Coating System:
- 1 coat BIONI SYSTEM FOOD COMPONENT G50.1
- 2 coats BIONI SYSTEM FOOD COMPONENT W23.1

Spreading Rate:
1.25-1.6 m$^2$/kg (with 1 coat). This is equivalent to approx. 600-800 g/m$^2$ for one coat. Coverage rates are a guidline only and depend on the substrate and texture.

Mixing:
Pour liquid component into container and mix to a uniform and lumpfree consistency for a minimum of 3 minutes using suitable equipment (i.e. drill machine). Allow to settle for 20-30 minutes. Mix again for a minimum of 1 minute before application. The ideal mixing temperature is 20°C. The characteristics of the product can be affected if mixed with water or other substances.

Limitations (during application & drying)
Min. mixing temperature: >5°C
Min. ambient and substrate temperature: 5°C
Max. surface moisture: 90%
Max. ambient moisture/rel. humidity: 90%
Min. dry film thickness: 500 microns
Min. dry film thickness on rust: 700 microns
Min. consumption: 0.6 kg per m$^2$

Conditions (during application & drying):
The temperature of the substrate and ambient should be min. +5°C .

Curing / Drying:
Dries within 24 hours under normal conditions (20°C, 50% relative humidity). The drying time varies with the surface and ambient temperature and humidity.

Storage:
Can be stored for approximately 12 months. Store in a cool, dry place. Protect from heat, freezing, direct sunlight. Containers must be kept closed. The product must be stored in accordance withm national regulations.

Clean Up:
Clean tools and hands immediately after use with soap and water.

### DISPOSAL

Do not allow to enter drains or watercourses. Handle disposal of waste material in manner which complies to local, state, province and federal laws and regulations.

### HEALTH AND SAFETY

Do not take internally. Keep out of reach of children. Avoid contact with eyes. Wash hands after using. Keep container closed when not in use. In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. Consult the Material Safety Data Sheet for further health and safety information.