

Product Description

ThermoVital is a matt, water-based and durable ceramic membrane for indoor applications based on dispersion acrylate to prevent mold on interior walls and ceilings. Contains no toxic ingredients and therefore does not require an approval number.

ThermoVital is safe for people and the environment and has the GreenGuard Gold certificate.

Applicability

ThermoVital is suitable for almost all indoor surfaces such as wallpaper, intact old latex paint layers, new and old plaster, plasterboard, concrete, metal, wood, plastic, textile, carpet, etc. The special composition reflects heat, offers moisture-regulating benefits and minimizes heat bridges.

In case of nicotine attack, the surface will first have to be pre-treated with special, insulating paint.

Environment

ThermoVital is EPD-tested according to EN15804+A2 (+ indicators A1), verified, and registered with the MRPI® under number 1.1.00870.2025.

Furthermore, ThermoVital holds the Greenguard Gold certificate.



Specific features

- Mold preventive
- Heat reflective
- Vapor permeable
- Comfort increasing
- Dirt and nicotine repellent
- Acoustics improving
- Moisture regulating
- Very colourfast, matt
- Elastic
- Virtually emission-free (i.e. suitable for allergy sufferers)

Colors

Almost all colors.

Please note that most color charts are presented in a satin finish. **ThermoVital** is matt and the color can - under the influence of light - give a distorted image compared to a color in silk or high gloss.

Packaging

Buckets of 5 liters and 12,5 liters.

Basic data

<i>Specific gravity</i>	1.14 kg/l
<i>Percentage of solids</i>	ca. 56%
<i>Shelf life</i>	in closed original packaging at a temperature between 5°C and 30°C at least 12 months after production date.

Drying times at 20 degrees and 60% R.L.

<i>Can be painted over</i>	after approx. 4 hours
<i>Remarks</i>	ThermoVital regulates itself and after approx. 36 days all properties come into their own.

Consumption

Recommended film thickness wet approx. 330 µm / dry approx. 260 µm.

Theoretical yield

depending on the nature and structure of the substrate and the application method: 6 m²/l rolled per layer, if necessary by means of a roller. establish a test area.

For the required layer thickness, 2 layers must be rolled. An alternative is to spray in one layer.

For absorbent or sandy substrate(s), we recommend applying **FixPlus** (fixer) first. This reduces excessive consumption, improves adhesion and makes the end result more attractive.

Material data

- VOC content: <3g/l
- Viscosity (KU unit): 120
- pH value: 8
- Vapor diffusion resistance (µd, DIN 52615):
 - 0.3m (wet)
 - 2.46m (dry)
- Fire class (EN 13501-1):
 - B (flame resistant on mineral substrate), S1; D0
- DIN EN 13300:
 - gloss level: matte
 - grain size: fine
 - moisture-wicking: class 3
 - contrast in relation to opacity: class 2
 - scrub resistance: class 2
- Fineness (DIN 1524): <40 m

Substrate conditions

The surface must be clean, dry and free of grease.

Pre-treatment

Bare parts should in principle be pre-treated first.

<i>Metal:</i>	ZincPrimer (or similar)
<i>Wood:</i>	NaturePrimer
<i>Stony:</i>	FixPlus
<i>Plasterboard:</i>	FixPlus
<i>Plastic:</i>	plastic primer (possibly NaturePrimer)

Processing conditions

- Substrate and ambient temperature above 5°C
- Relative humidity up to 85%

Processing data

Recommended brush flat or round brush

Recomm. paint roller qualitative fur roller, such as for example::

- STORCH FineSTAR 15 (core Ø 60 mm, pile 15 mm)
- ANZA Micmex (core Ø 48 mm, pile 18 mm)
- CaluPaint Polyamide (core Ø 55 mm, pile 14 mm)

Airless-spray

ThermoVital is easy to spray due to its low specific weight. For example with equipment from WSB Wagner (HEA, High Efficiency Airless) or Graco (FFLP, Fine Finish Low Pressure). Please contact us with any questions.

- spraytip 0,015-0,019"
- static pressure 100-140 bar, working pressure 70-100 bar;

the strainer from the hand gun should be slightly coarser than common with wall paints, i.e. 50 mesh/300 microns or remove if necessary; slangdiameter (inwendig) 6 mm;

Dillution

0 – 5 % tap water

Cleaning

rinse cleaning with tap water

Curing

ThermoVital dries relatively quickly, but the final curing takes a few days.

It makes sense to leave the finish alone during that time, so not to put any stress on it.

Waste processing

Do not dispose of product residues in the environment. Only recycle waste-free buckets. Dispose of product residues at the responsible waste depots. Waste code No. 080120 according to the EU designation. Afvalverwerking

Safety regulations

Despite all the care that has been put into this information sheet, we are not liable for any faults; therefore no rights can be derived from this product sheet.

See for more information www.climatecoating-caribbean.com or call or mail us.