



SPECTRALOCK® 2000 IG

DS-300-0326

For the Builders of a Better World™



Benefits

- High stain resistance
- Thixotropic formula suitable for both walls and floors
- Uniform colour – three-component system allowing the consistency to be adjusted
- No maintenance required and does not discolour
- Complies with the requirements of ISO 13007 RG and EN 13888 RG
- Superior performance to cementitious fillers
- Long working time, ideal for demanding applications
- Perfect for installations subject to wide temperature fluctuations
- Strong, durable and crack-resistant
- Withstands high-temperature industrial washing

VOC/LEED information

- GEV EMICODE: EC1
- CAM compliant

Standard

- EN 13888:2022: RG
- ISO 13007-1: RG
- ISO 9001:2015: CERT-09019-2001-AQ-BOL-SINCERT

1. PRODUCT NAME

SPECTRALOCK® 2000 IG

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

SPECTRALOCK® 2000 IG is a new-generation three-component epoxy sealant, designed to deliver superior performance even in the most demanding environments. Its advanced formulation ensures extremely resistant, compact and durable joints, making it the ideal choice for those seeking maximum reliability and high hygiene standards.

Thanks to its excellent adhesion, high mechanical strength and chemical resistance against aggressive detergents, oils, greases and corrosive substances, **SPECTRALOCK® 2000 IG** excels in industrial and professional settings where safety, hygiene and durability are non-negotiable. The joints are smooth, non-absorbent and easy to clean, helping to maintain the surface's appearance and performance over time. A product designed for those who want a flawless result: functional, safe and built to last even in the most challenging applications.



Applications

- Sealing of floors and wall coverings, indoors and outdoors, in the following sectors:
Industrial: dairies, meat processing plants, pharmaceutical companies, distilleries, laboratories, computer rooms, breweries, hospitals, veterinary clinics, dog kennels, etc.
Commercial: restaurants, pizzerias, toilets, fast food outlets, supermarkets.
Residential: kitchens, bathrooms, swimming pools, fountains.
- For walls or floors
- For joints from 1.5 to 12 mm for: porcelain stoneware, ceramic tiles, glass mosaic, stone and marble
- For swimming pools, fountains and water features in continuous immersion.
- For high-traffic areas

Suitable substrates

- Glass tiles
- Ceramic tiles
- Porcelain stoneware
- Natural stone

Coverage / Consumption

Tile size (cm)	Thickness Tile (mm)	Joint width (mm)				
		1	2	3	5	10
2x2	4	0.73	1.46	2.19	3.65	7.30
10x10	9	0.33	0.66	0.99	1.64	3.29
7.5 x 15	7	0.26	0.51	0.77	1.28	2.56
15x15	9	0.22	0.44	0.66	1.10	2.19
12x24	12	0.27	0.55	0.82	1.37	2.74
20x20	9	0.16	0.33	0.49	0.82	1.64
30x30	14	0.17	0.34	0.51	0.85	1.70
30x60	10	0.09	0.18	0.27	0.46	0.91
45x45	10	0.08	0.16	0.24	0.41	0.81
45x90	10	0.06	0.12	0.18	0.30	0.61
60x60	10	0.06	0.12	0.18	0.30	0.61
60x120	10	0.05	0.09	0.14	0.23	0.46
120x120	10	0.03	0.06	0.09	0.15	0.30
15x80	10	0.14	0.29	0.43	0.72	1.45
20x150	10	0.10	0.21	0.31	0.52	1.03
20x170	10	0.10	0.20	0.31	0.51	1.02
60x60	20	0.12	0.24	0.37	0.61	1.22
100x100	6	0.02	0.04	0.07	0.11	0.22
150x300	6	0.01	0.02	0.03	0.05	0.11

Pack sizes

Complete kit: 7 kg
Part A: 0.35 kg x 2 tins
Part B: 0.65 kg x 2 tins
Part C: 2.50 kg x 2 bags

Storage

Parts A and B: The excellent quality of this product's

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factory-sealed containers is guaranteed for twenty-four (24) months, provided they are stored indoors and off the ground at temperatures between >0°C and >35°C.
Part C: no expiry date.

4. TECHNICAL DATA

Physical properties

Contents:	Epoxy resins, aggregates, additives
Components	Part A: Ochre-yellow liquid Part B: Whitish liquid Part C: Coloured powder
Mixing ratio:	1 Part A : 1 Part B : 1 Part C
Density	Part A: 0.95 g/cm ³ Part B: 1.00 g/cm ³ Part C: 1.40 g/cm ³
Specific gravity of the mixture (A+B+C)	1.60 g/cm ³
Working time	70 min
Walkability	~8 hours
Ready for use	7 days*
Flammability	No
Application temperature:	+10 °C to +35 °C

Performance

Classification according to EN 13888:		RG
	Value	Test method
Abrasion to abrasion:	≤ 250 mm ³	EN 12808-2
Flexural (28 days):	≥ 30 MPa	EN 12800-3
Compressive compression (28 days):	≥ 45 MPa	EN 12800-3
Shrinkage:	≤ 1.5 mm/m	EN 13888-1:2022
Water after 240 minutes:	≤ 0.1 g	EN 12808-5
Temperature resistance	From -30°C to +90°C	

The technical data provided has been measured under standard laboratory conditions and is subject to change without notice. The actual performance of the product depends on site conditions, the installation method used and the type of coating.

Chemical resistance

Substance	Exposure Intermittent [^]	Exhibition Continue ^{^^}
Milk	R	R
Wine	R	R
Citric acid 10%	R	R
Sulphuric acid 1%	R	R
Hydrochloric acid 1%	R	R
Lactic acid 5%	R	R
Vinegar	R	R
10% acetic acid	R	R
Phosphoric acid 5%	R	R
Sodium hydroxide 10%	R	R
Sodium hydroxide 10%	R	R
Concentrated detergent	R	R
Ammonium hydroxide	R	R

Technical data sheets are subject to change without notice. For the latest revision, visit <https://eu.laticrete.com/>.

Sugars	R	R
Petrol	R	NR
Oleic	R	NR
Turpentine	R	NR
Ether	R	NR
Toluene	NR	NR
Xylene	NR	NR

[^] Intermittent: Exposure to chemicals for less than 3 days.

^{^^} Continuous: Exposure to aggressive substances for 1 month.

R = Recommended

NR = Not recommended

Chemical resistance determined in accordance with ASTM C267.

Notes: It is recommended to carry out continuous and to reagents at temperatures above 32°C

5. APPLICATION

Substrate preparation

Store the material at room temperature for 24 hours prior to application. The surfaces to be covered must be at a temperature between +10°C and +35°C. Before grouting the joints, ensure that the adhesive used for laying the tiles has fully cured. The joints must be clean and free of dust; level them in depth and width. Remove spacers and loose material. Do not clean the tiles with acidic substances.

Product preparation

Pour the contents of the Part B (resin) packs into a clean bucket, add Part A (hardener) and mix using a drill fitted with a helical whisk at low speed (approx. 300 rpm) until a homogeneous mixture with a uniform colour is obtained. Gradually add the powder and continue mixing from the bottom upwards for approximately 2 minutes. The resulting product is ready for application. For better workability at low temperatures and for narrow joints, it is advisable to add only 90% of the total powder.

Application

Pour the mixture onto the area to be sealed. Spread the mortar using a rigid rubber grout float with a sharp, solid edge. Ensure that the joint is filled to its full depth with the mortar. Remove any excess SPECTRALOCK® 2000 IG from the surface of the tiles using the sharp edge of the trowel, holding it at a 90° angle and working diagonally across the joints.

Cleaning

After waiting ten minutes, dampen the joints with water and clean using a damp sponge with circular movements. Rinse the sponge frequently, ensuring it remains clean at all times. Finally, wipe the sponge diagonally across the joints to even out the surface and avoid removing the grout from the joints.

Important:

Do not clean while the product is still fresh, to avoid removing too much and creating gaps within the joints.

Final cleaning

After 8–12 hours, if there are any hardened or difficult-to-remove epoxy marks on the surface, use STONETECH® EPOXY CARE & CLEAN together with the WHITE FELT sponge.

For further information, please refer to the STONETECH® EPOXY CARE & CLEAN technical data sheet.

It is essential to respect the structural joints in the flooring as well. Provide suitable expansion and perimeter joints that divide the surface into square or rectangular grids with a side ratio not exceeding 1.5. As a guide, the grids may have the following dimensions:

- indoor areas: from 5 m x 5 m to 6 m x 4 m;
- outdoor areas: from 3 m x 3 m to 4 m x 2.5 m.

Limitations

- All colours of SPECTRALOCK 2000 IG can generally be used in high-traffic areas such as commercial premises, restaurant dining areas and industrial floors; however, in environments requiring more thorough and aggressive cleaning—such as industrial or restaurant kitchens, fishmongers, where very strong detergents such as professional enzymatic cleaners are used—the use of darker colours is recommended.
- Maximum chemical resistance is achieved after 7 days at 21°C. Protect the joints from contact with acids and aggressive chemicals during this period. The curing time is extended at low temperatures.
- LATICRETE® epoxy grout sealants do not replace waterproofing membranes. If a waterproofing system is required, use the special 9235 MEMBRANE, 9237 WATERPROOFING MEMBRANE and HYDRO BAN® membranes.
- Consult the LATICRETE® Technical Support Service if the sealant is to come into contact with chemicals other than those specified in this technical data sheet.
- During the winter season, curing and walk-on times may be significantly extended. Protect the finished work until fully cured. During the summer season, curing times are shortened and the product's workability is also reduced.

Warnings

- Product that has already begun to cure must not be revived by adding fresh product.
- Protect the finished work from chemical attack and foot traffic until it has fully cured.
- With stone and marble, always carry out a test to check the grout's resistance to cleaning with water.
- Avoid contact with skin and eyes. In case of irritation, wash thoroughly with clean, fresh water. In case of contact with eyes, seek medical attention immediately.

• FOR PROFESSIONAL USE

For further information, refer to the product safety data sheet.

6. AVAILABILITY AND COSTS

Availability

LATICRETE® products are available worldwide. To find your nearest dealer, please contact LATICRETE EUROPE S.r.l.

Telephone: +39 059 535540

Email: info@laticreteeurope.com

Website: <https://eu.laticrete.com/>

Prices

Please contact your nearest LATICRETE EUROPE S.r.l. stockist for full pricing information.

7. WARRANTY

The supplier guarantees that the product will not deteriorate under normal conditions of use. The warranty is valid for one (1) year. Contact Technical Support for further information.

Documentation

- DS-230.10P.EU: 10-year product warranty
- DS 230.5-10-15EU: 15-year product warranty

8. MAINTENANCE

LATICRETE® products are high-quality products designed to provide long-lasting, maintenance-free installations; however, their durability and performance depend entirely on the type of cleaning products used.

9. TECHNICAL SERVICES

Technical Support

For further information, please contact Technical Support

Telephone: +39 059 535540

Email: info@laticreteeurope.com

Technical and safety documentation

To obtain technical and safety documentation, please visit our website: <https://eu.laticrete.com/>

Warnings

The information and guidelines contained in this Technical Data Sheet, although based on knowledge acquired over years of application, are to be considered indicative. As LATICRETE® cannot directly control the installation conditions and application methods of the products, it accepts no liability arising from their installation. Anyone intending to use LATICRETE® products must carry out appropriate on-site tests to establish their suitability for the intended use.

Our products are covered by a warranty within the limits set out in our general terms and conditions of sale and within the limits of our products' compliance with the applicable technical specifications and certifications, as expressly indicated in the product data sheets or applicable technical documentation and expressly provided by us with the products themselves.

10. DOCUMENTATION

Further product information is available on our website at <https://eu.laticrete.com/>.