

SIBMICRODUR

Microcement

AT GLANCE

- Wide range of colors
- Decorative microcement
- Various finishes (structured, waxed, polished)
- Indoor and outdoor use
- Easy application
- Ready to use product



Manufacturer
SIB, Sociedade Industrial
De Britagem De Pedra, LDA

DESCRIPTION

SIBMICRODUR is a low thickness (2 to 3 mm) micro coating for floors, walls and furniture.

SIBMICRODUR exists in the sanded version – SIBMICRODUR BASE (grain size 1 mm) that is used as a base and in the fine version – SIBMICRODUR FINO (grain size <1 mm).

SIBMICRODUR can be applied both indoors and outdoors, on floors, walls and furniture (countertops, counters, furniture, etc.) and allows you to obtain a very varied final appearance.

There are several possible finishes, from a dense, smooth and easy to clean surface, to a completely customized finish with marks, roughness and effect.

FIELDS OF APPLICATION:

SIBMICRODUR is used for residential and commercial applications, both indoors and outdoors. The application is easy and fast. (NOTE: work in small areas: fast setting)

SIBMICRODUR stands out for its flexibility and good adhesion to almost all surfaces and materials. It offers a range of architectural possibilities with different colors and textures.

It can be used in places: homes, building entrance halls, museums, cinemas, offices, small shops, restaurants, hotels, decorative walls, washbasins and bathtubs, desks and other furniture, etc...

It can be applied on cementitious screeds, concrete slabs, anhydrite screeds, wooden panels (CTBX, CTHB, OSB under certain conditions), heated floors (water or electric), tiles. Consult the technical department for more information.

The diverse applications make SIBMICRODUR a very versatile product.

TECHNICAL PROPERTIES AND CHARACTERISTICS

Composition	Chemical additives, special binders and fine aggregates
Adhesion (EN 13892-8)	1 - 1,5 MPa (N/mm ²)
Abrasion resistance (EN 13892-4)	BASE AR 2 * FINO AR 1 *
Impact resistance (EN ISO 6272)	14,7 Nm *
Application temperature	Min. +5°C - max. +35°C
Application thickness	BASE 1,2 mm FINO 0,70 mm
Consumption	BASE 1 - 3 kg/m ² (2,2 - 6,6 lbs/m ²) FINO 0,5 - 0,7 kg/m ² (1,1 - 1,5 lbs/m ²)
Mixing rate	Ready to use
Opening time	30 - 60 min at 20°C (68°F). Drying time depends on many factors such as wind, air and support temperature. In addition, it also depends on the temperature of the product. We always recommend performing a sample on a small area before application.

*Technical results may vary depending on site conditions, age of SIBMICRODUR and pigments used.

Ambient temperature, support and product: 5 to 30°C (41 to 86°F) – Outside of this range, the application, aesthetic or mechanical properties of the product, as well as its adhesion can be altered.

The support must be dry, and free from any trace of pollution and humidity. Old supports with low adhesion must be removed. In any case, a test must be carried out to validate the compatibility of the products.

SUPPORT PREPARATION

The supports must have a minimum adhesion strength of 0.7 MPa – The moisture content cannot exceed 4.5%. Cracks must be treated beforehand.

The support must be dry and free from any trace of pollution and humidity. Old and poorly adhering supports must be removed. In any case, a test must be carried out to validate the compatibility of the products.

Mechanical preparation of the surface is recommended, using a diamond mechanical process or sanding. Cracks, holes and other deeper defects must be filled and repaired.

The support must be dry, clean and free of dust and loose particles, before the application of SIBPRIMER A3** or SIBECOPRIMER A6 (consult the product technical data sheet for more information).

Apply a coat of SIBPRIMER A3**, adjusting the dilution according to the porosity of the support. Apply an additional layer of primer if necessary. The reapplication of the primer and/or the application of the material must be done between 2 and 6 hours after the first application. Apply SIBMICRODUR between 2 and 6 hours after applying the primer. Consult the SIBPRIMER A3 technical data sheet for more information.

****SIBPRIMER A3**



Non-solvent primer	
Density	1
pH	8
Application temperature	Min +5°C (41°F) - Max +35°C (95°F)
Aspect	White (transparent when dry)

SIBMICRODUR is applied in very thin coats, so a well-prepared and levelled surface is ideal for proper application.

NOTE: turn off heated floors (when turning on again, do it gradually), watch out for wind, block sources of natural light (may cause fast drying), and close access for 24 hours.

APPLICATION

SIBMICRODUR is a ready to use paste. Just mix with an electric mixer.

The surface must be pre-sanded and have a uniform surface finish to obtain a uniform application.

Prepare an area for mixing.

SIBMICRODUR BASE:

Prepare the mixtures as the application progresses (opening time of the kits, about 7 days, once hermetically closed in the original package).

Spread SIBMICRODUR BASE evenly from right to left. Level the material with a spatula or trowel using random movements. When adding the material during application, pour it over the already applied product (to avoid creating unwanted marks). Repeat this process until the end of the application. Let it dry for 12 to 24 hours.

After drying, sand the surface with a 60/120 grit single disc machine. Sand evenly.

If necessary, apply a second coat of SIBMICRODUR BASE (if the surface is not uniform).

SIBMICRODUR FINO:

Prepare the mixtures as the application progresses (opening time of the kits, about 7 days, once hermetically closed in the original package).

Spread SIBMICRODUR FINO evenly from right to left. Level the material with a spatula or trowel using random movements. When adding the material during application, pour it over the already applied product (to avoid creating unwanted marks). Repeat this process until the end of the application. Let it dry for 12 to 24 hours.

After drying, sand the surface with an electric sander (when applying on the floor, use a "monobrush") equipped with a 220 grit abrasive plate. Sand evenly.

Apply a second coat of SIBMICRODUR FINO and repeat the sanding process.

FINISHING

There are several types of sealing depending on the desired result. SIBMICRODUR must be sealed depending on usage. Consult the technical department for more information on obtaining the appropriate sealing system for each situation.

For greater resistance to stains, the application of PROSIB 330*** is recommended. When applying on the floor, use PROSIB 1000 (Consult the product technical data sheet for more information).

PROSIB 330 is a two-coat sealer. Apply a first coat of PROSIB 330 diluted at 30% - Spray and mix the product with a short-haired roller. Apply continuously (without interruption) and allow to dry for approximately 1 to 3 hours. If there are application marks, pass the monobrush equipped with sandpaper (120 grit). Apply a second pure coat, then a third coat in the same way and let dry between 1 to 3 hours. Let it dry for at least 7 days before cleaning with water. Consult the technical department for more information.

Between the 2nd and 3rd layers, a white pad can be used. Do not use high-rotation machines.

A finishing coat of wax can be applied according to the desired appearance.

***PROSIB 330



Aqueous product	pH 7,9 – 8,6
Density	1,06
Application temperature	Min +5°C (41°F) - Max +35°C (95°F)
Consumption	50 - 150 gr/m ² (0,11 - 0,33 lbs/m ²) per layer
Light traffic	12 h
Drying time	72 h
Dry extract	35%
Aspect	White liquid
VOC	95 gr/l
Packaging	5, 10 and 20 l jerrican

DRYING TIME

Drying time	
Sanding	12 - 24 hours
Wash with water	7 days
Full drying	15 days

PRODUCTION, PACKAGING, STORAGE AND EXPIRY DATE:

SIBMICRODUR is available in:

- SIBMICRODUR BASE - 25kg / 55,1 lbs buckets
- SIBMICRODUR FINO – 15kg / 33 lbs buckets

The product can be stored in its original packaging for 12 months in a dry place at a controlled temperature (not below 0°C / 32°F). Recommended storage is between 10 and 25°C (50°F and 77°F).

COMPLEMENTARY INFORMATION:

Support preparation is essential for a good result. The flatter and more level the support, the better the end result.

If there are non-homogeneous surfaces, with differences in absorption, it is recommended to apply a coat of epoxy primer (SIBAQUAPOX) with fine sand to obtain a more uniform application. It is necessary to work with the same batch number (see label).

The application must be protected from fast drying (due to wind or intense heat from the sun) for at least 24 hours.

Attention to slight color variations due to the use of different production batches. Ensure that the application can be carried out with the same production batch.

The product might have a natural color variation. It changes in appearance due to working techniques, differences in temperature and substrate it is applied on.

The final color of the product must be validated by a physical sample before starting the application. Always perform a sample to see if the requested color matches the color supplied. SIB is not responsible for manufacturing errors after application.

Product colors are not fully compatible with the RAL code and therefore should only be considered as estimated classifications.

In addition to the inherent nature of this type of product, differences in tone and marks can also be caused by the way the product is applied. To ensure a uniform appearance, it must be applied continuously without interruption.

Wait between 5 to 7 days until the product is fully dry, before starting to clean the floor with water.

Wash tools with clean water and dry them before and immediately after use.

Before using SIB products, consult applicable data sheets, protocols, product labels and safety data sheets. On request from your consultant.

It is the user's responsibility to read the instructions and warnings for any SIB product before using it. The valid updated technical data sheet can be found at www.sibland.company.

WARNING:

Use suitable PPE: impermeable gloves, boots and protective goggles.

See the complete Product Safety Data Sheet.

LIMITED WARRANTY:

SIB - Sociedade Industrial De Britagem De Pedra, LDA warrants its materials to be of good quality and, at its option, will replace or refund the purchase price of any material proven to be defective within one (1) year from date of purchase. The above remedies shall be the limit of SIB's responsibility. Except for the foregoing, all warranties expressed or implied, including merchantability and fitness for a particular purpose, are excluded. SIB shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the materials. In order to obtain all the results and technical properties of the products, all SIB specifications and instructions on transport, storage, use, application and maintenance must be fully complied with, otherwise, SIB does not guarantee the technical results and properties of the products.

The warranty does not cover scratches, which are normal for this product. The guarantee is associated with correct maintenance procedures. This warranty does not apply and SIB is not responsible for small surface marks and color variations. Due to the raw materials used in the manufacture of the products, small surface marks and/or color variations may occur. These are not considered product defects as they are inherent to the manufacturing process.