

AT A GLANCE

Manufacturer

SIB, Sociedade Industrial
De Britagem De Pedra, LDA

Full SIB Colour range
Environmentally Friendly
VOC and APEO-free
Architectural Finish
Easy Application

Decorative Micro Cement
Indoor and Outdoor Use
Ready to use product
Strong Bond
Go on any surface



DESCRIPTION:

SIB MICRODUR is a cement based micro coating for walls, furniture and floors. SIB MICRODUR exist in a coarse and a fine version. The coarse version can be used as a base on rougher surfaces.

SIB MICRODUR offers texture and variegation in shade and colour to interior and exterior walls, furniture and floors which paint can only dream of matching. Worktops, furniture, shop counters and reception desks are increasingly given the design of SIB MICRODUR. One of the most important design features is that it offers the interior and exterior spaces in a seamless applications.

SIB MICRODUR is a technical product made from chemical additives and special cements, mixed with selected aggregates. It is flexible and ideal for facades and other vertical surfaces. It can be finished in many different ways to create everything from a dense, colour uniform and smooth and easy to clean concrete surface to a custom designed stained, rough and effect full finish.

SIB MICRODUR can be created in all colours in the SIBCOLORMIX.

FIELDS OF APPLICATION:

SIB MICRODUR is used for residential and commercial, use, both Indoor & Outdoors. Decorative walls, sinks and bath tubs, desks and other furniture, etc.

SIB MICRODUR highlights on flexibility and good adhesion on almost any surface and its many architectonic applications from uniform and smooth till nuanced colours and textures, makes SIB MICRODUR a highly versatile product.

ENVIRONMENTAL ADVANTAGES: Use SIB MICRODUR to reduce your carbon footprint and lower your environmental impact. No or little demolition is needed to use SIB MICRODUR and the use of materials is limited.

TECHNICAL PROPERTIES AND CHARACTERISTICS

Composition	Special Cements, additives, binders & fine aggregates
Adhesion	1-1,5 N/mm ² or MPA
Wear Resistance	Base/Coarse um 140 Finish/Fine um 80
Impact Resistance	14,7 N/mm ² or MPA
Abrasion Resistance	Class 1
Application temperature	Min. +5 °C, max. +35 °C
Adhesion	1,0-1,5 Mpa - 28 days on Concrete
Application thickness by layer	Base/Course 1,2 mm Finish/Fine 0.70 mm
Consumption	1-3 kg/m ² depending on substate
Mixing ratio	Redymixed product ready to use
Opening time:	Approximately 30-60 min at 20° C. The opening time depends on a lot of factors such as wind, air and substrate temperatures. Furthermore, drying time is dictated by the product temperature and the water used. For these reasons we always recommend to test a small area prior to starting full coverage.

Light load	Fully Cured	Sealing
8 hr	2-5 days	3-5 days

SUBSTRATE PREPARATION

Prior to application, ensure that the surface is firm. The surface should be clean and free from old coatings, lime, laitance from the cure of mortars, dust and loose particles.

Mechanical surface preparation like sanding is recommended.

The surface should be permanently vibration free and crack free. Existing cracks in the base must be repaired professionally prior to the application of SIB MICRODUR.

The general recommendation is that the surface should be prepared in the same way as surface that is about to receive paint. The SIB MICRODUR is easy to apply on gypsum boards and equivalent surfaces.

All surfaces should be primed with SIB Primer A3. If the surface is very absorbant we recommend to prime twice. The first time the SIB Primer A3 should be diluted with 10-20 % water. .

Reapplication of the primer must be done within 2 - 6 hours of the first application. Please read the technical data sheet on SIBPRIMER A3 for more information.

SIB MICRODUR should be applied within 2-6 hours of the application of the primer.

MIXING AND APPLICATION:

If the surface is not totally smooth you may apply SIB MICRODUR Coarse as a first layer. SIB MICRODUR is premixed and will only need to be stirred. Material is best applied between 10-30 °C. Mix the material using a drill mixer.

A small test should be carried out before the application to adjust the correct way to apply to achieve the right appearance that the client is expecting. Air flow, temperature, humidity in the air and substrate, influence on the product's workability and drying time.

The material is applied directly on the wall, floor or furniture with a hand trowel. The finish depends on the skills of the worker.

To make very smooth finish it is possible to sand the surface between applications, when they are dry enough.

Curing

Leave the material to cure over night (without being exposed to direct sunlight, rain, draft/wind. Under normal conditions the material is ready for sealing after 3-5 days.

FINISHING

The material can be brushed and sponged in wet to create effects as well as it is possible to apply materials in different shades and colors, or create effects with the hand trowel.

The SIB MICRODUR can be sealed in many ways. Please contact our technical department for the right sealing system for the correct use in each case. Please refer to the respective data sheets for more information if required.

SPECIAL PRECAUTIONS

Some minor colour differences are inevitable due to different production batches and this should be taken into account during application.

If you have different absorbent surfaces we recommend priming with SIB PRIMER A3 which will help achieve a more even application.

If a uniform colour is desired, it is necessary to work on those designated sections with the same batch number (see label). The product is cement based has natural color variations. It changes in appearance due to changing working techniques, differences in temperature and the substrate it is applied on.

The material should not be permanently exposed to water, before correctly sealed.

Please take note that this product is a mineral/inorganic product. Product colors do not fully conform to the RAL code and therefore they should only be seen as estimated classifications.

The colours of floors made using SIB MICRODUR are not always uniform which is a typical feature of cementitious-based products. Apart from the inherent nature of this kind of product, differences in the various colours and marks may also be caused by the way the product is applied. In order to guarantee a uniform appearance, it must be cast continuously without long gaps.

TOOLS AND CLEANING

Mixing device (drill mixer), trowel and other tools should be washed with clean water and dried before and after application.

PRODUCTION, PACKAGING, STORAGE, SAFETY AND VALIDITY

SIB MICRODUR is a readymixed product, stored in 5 kg, 15 kg or 25 kg buckets.

Store buckets in a dry place and protected from extreme temperatures (best stored between 5-25°C) and direct sunlight.

With the right conditions of storage, the product is valid for 12 months from the manufacturing date.

There is no mandatory hazard labeling for SIB MICRODUR. Avoid inhaling dust when sanding the dry material. Protect skin and eyes during the mixing process.

Please refer to the Material 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.