

DS-258 DECO MICRO FLEX



Microcement in paste form



PROPERTIES

White or colored decorative top coat in paste form; ready for use. Its unique formula contains specifically graded aggregates; special active additives as well as acrylic resins that yield unbreakable bonding to the substrate, remarkable workability and an exceptionally smooth surface that does not crack. Ideal for interior applications on walls and floors. The product is also suitable for exterior applications on building and house facades, store, restaurant and hotel exteriors etc. Classified SR-B2,0-AR0,5-IR1,7 as floor screed material, per EN 13813.

ADVANTAGES

- Easy to apply.
- Exceptional crack coverage/repair with unique resistance to expansions and contractions
- Exceptional coverage even with one coat
- Exceptional bonding strength
- Quick drying
- **Can be coated with varnish the next day of the application**

- Can be colored and styled through the DUROCOLOR system (in 20ml syringe packaging). Its ability to be colored gradually makes adjusting and evolving the final color of the product an easy task
- Ideal solution for the renovation and decoration of residential and commercial spaces.

APPLICATIONS

DS-258 DECO MICRO FLEX is suitable for wall applications and special projects such as countertops and sinks, showers, built-in furniture and wood furniture, tables, doors etc. Ideal for changing the shade, but also for repairing damaged and cracked surfaces lined with microcement, especially where speed is required in the application and fast delivery of a project. Its distinct and unassuming style, together with its easy and clean application, makes the product a one-of-a-kind, fast and inexpensive solution for everyone that wants to renovate and decorate their residential or commercial space. This is true due to its great coverage and durability, even at small thicknesses.

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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Its thin but very durable and strong coat transforms existing, weathered or out-of-style places, walls and floors to traditional or modern ones, always according to your style and taste.

USE

1. Surface preparation

All substrates have to be structurally sound and flat, clean and dry, free from dust, oils, deteriorated and peeling paints, loose materials and moisture.

- **For new surfaces made of marble based plaster and concrete**, sand them using the appropriate sand paper, repair any defects with SUPER FLEX POWDER, remove all the dust and prime them using the micromolar stabilizer, AQUAFIX.
- **For new surfaces made of lime based plaster, gypsum board and cement board**, prime them using the micromolar stabilizing primer, AQUAFIX.
- **For already painted, sound surfaces**, only light sanding is required using the appropriate sandpaper.
- **For already painted but unstable surfaces**, remove the deteriorated and peeling paint, clean the new surface and prime using the micromolar stabilizing primer, AQUAFIX.
- **For rough, unpainted wood surfaces** first protect them from woodworm, fungi and moisture using the impregnating preservative DUROXYL WOOD Protection/conditioner.
- **For uneven floor surfaces**, it is highly recommended to use either microcement, DS-250 or DS-252 FLEX with the addition of the alkali resistant fibreglass mesh DS-4160. Please follow the instructions of the products, as described on their packaging.
- **For substrates made of marble, tile or mosaic**, first prime them using either quartz based primer DS-255 or DS-290 and then coat the substrate using either microcement DS-250 or DS-252 FLEX.
- **When the existing substrate is damaged microcement**, spot repair all hairline cracks and allow for them to dry thoroughly. After completing the appropriate (as described above) substrate preparation, proceed with the application of DS-258 DECO MICRO FLEX.

2. Application

Choose one of the available colors (white, light gray, dark gray) or color the white one using the measuring system for shade rendering DUROCOLOR (pigments in 20ml syringe packaging) of DUROSTICK. Create unique colors of the gray scale by mixing the white paste with the light or dark gray pastes, at any ratio. The light and gray pastes can also be mixed together to create unique color combinations. Make sure to keep the new color recipe so it can be recreated in the future. Apply the product using a stainless steel trowel in one or two flat coats, 1.2 - 1.4mm each one. The second coat must be applied when the first one is fully dried and it is applied by working the trowel in different directions. 'Pressing' the trowel across the surface repeatedly yields special shading effects and vivid color variations, always depending on the chosen color. If deeper color variations are needed, increase the number of 'pressings' across the surface using the appropriate trowel. If the desired effect is a more uniformed color on the finish surface, then simply apply the product in one to two coats avoiding the excessive 'pressing' of the surface and allow for the product to completely dry. Once dry, sand the surface using No180 sandpaper and gradually move to finer grit, up to No240 sandpaper. That procedure will yield an exceptionally smooth surface that will be ready to be varnished. After a day has passed (depending on ambient conditions) and the material has cured and has dried thoroughly, it is time to additionally enhance the surface protection using a varnish. For interior and exterior spaces, the use of the acrylic varnish VISTA is highly recommended. On floor surfaces and areas with increased mechanical or thermal stress, the use of the two-component, polyurethane based varnish DECOFIN POLYURETHANE or the two component polyurethane-based and water-soluble varnish DECOFIN AQUA PU (ideal for interior spaces that are not adequately ventilated), are both highly recommended. All varnishes are applied in two coats. For applications in wet locations where permanent moisture is present (e.g. showers etc.), apply the varnishes in three coats. Please allow for the previous coat to fully dry before applying the next one. The varnishes are easy to apply and they will prevent any surface

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staining. Interior vertical surfaces can be varnished using DECOFIN AQUA since it is completely odorless during its application.

USEFUL TIPS-NOTES

• Coloring through the DUROCOLOR system:

Choose one of the 120 shades by multiplying the ml of each shade by a factor of 0.2. For example, let's select color No90. Using the DUROCOLOR pigment syringe No9, calculate 3ml that the recipe calls for, times the coefficient 0.2, resulting in 3ml x 0.2=0.6ml for every kg of microcement. Any small deviation from the chosen color is due to the application method and the desired style used.

- Clean the application tools often using a soaked cloth or sponge. That will prevent any residue from forming on the tools that will result in scratches and black marks on the surface.
- The application of the varnish will affect the final color of the product - even when working with lighter colors. Complete a small sample of the product and apply the varnish to be sure on how the varnish will affect the final product.
- Exterior surfaces and surfaces in general that are cleaned and sanitized with strong detergents and chemicals should be inspected yearly for the integrity of their varnish coats.
- When coating the entire floor surface (light traffic), protect the new surface by installing felt pads under all furniture legs.

CLEANING

Clean all tools with water, immediately after use.

CONSUMPTION

0.6-0.7kg/m² per coat, depending on the surface.

STORAGE

Store in the factory sealed container, protected from the sun and frost, for at least 18 months from production date.

SAFETY DIRECTION

The product needs no hazard labeling based on current European and National legislation. However, it is recommended to keep the product away from the reach of children. If swallowed, seek immediate medical advice and show the container or label.

PACKAGING

- 5kg container (on a 120 pc pallet)
- 15kg container (on a 48 pc pallet)

TECHNICAL SPECIFICATIONS	
Form- Color	Paste - White, light gray, dark gray
Colors	The white color product can be combined with the 20 basic DUROCOLOR liquid pigments in 20ml syringe packaging, to create 120 permanent colors.
Bulk density	1.65±0.05kg/lit
Solids by weight	73-79% w/w
pH	8.00±0.50
Gloss	Matte - satin, depending on the application
Application temperature	From +5°C to +35°C
Dilution	Ready to use product. Do not dilute.
Drying time	30 minutes (touch dry), depending on the application thickness and the ambient conditions (temperature, humidity).
Adhesion strength	≥ 3.0 N/mm ²
Abrasion resistance	AR0,5
Impact resistance	IR1,7
Shore hardness D:	80
Capillary water absorption	≤ 0.08 kg.m ² .h ^{0,5}
Reaction to fire	Euroclass F
Friendly to human and the environment	
<i>V.O.C. (Volatile Organic Compounds): Limit value of maximum V.O.C. content according to EC (Directive 2004/42/EC) for the particular product (category I/i: 'Decorative effect coatings', Type WB): 200gr/lit (2010). The ready to use product contains maximum 45gr/lit V.O.C.</i>	

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