



TDS 1000

INTERIOR/EXTERIOR

**PRODUCT
DESCRIPTION**

OXYDA IRON

OXYDA IRON is a highly resistant reinforced microcement.

OXYDA IRON due to its characteristics is indicated for the decoration of floors, to cover swimming pools with a Spalter and for surfaces where high resistance is generally required. OXYDA IRON is the ideal decorative for floors for a uniform and elegant result without leaks, joints or interruptions and above all for the typical effect of concrete waxed. Due to its color chart, the product is available in a wide range of colors with a simple system for coloring. The product is available in powder form and if stored in sealed packages it can't be affected by humidity or heat. Once mixed with water, the product is immediately applicable. For the correct coloring, mixing with water and further details consult the technical data sheet or contact the supplier.

**APPLICATION
METHOD:**

ATTENTION: Before OXYDA IRON, Rivedil recommends applying the classic OXYDA microcement to the floor, available in powder and paste. Although a suitable product, today Rivedil recommends applying OXYDA (the classic) for vertical surfaces such as walls, instead for all surfaces where the maximum degree of resistance is required and therefore floors or specific areas such as swimming pools, it is advisable to apply OXYDA IRON which has fillers that reinforce the structure of the product that makes it particularly resistant to use.

APPLICATION OF OXYDA IRON ON THE FLOOR

OXYDA IRON does not require a particular base and can be applied on surfaces in general, cement screed weathered, tile or marble floors. In the case of surfaces paved with tiles or similarities, where there are joints, on these we recommend first applying a protective barrier such as RIV SAN COMPONENTE A water-based or solvent-based. This will limit sweating of the joints caused by rising damp and the final effect of OXYDA IRON it will remain uniform over time without the joints being visible, ensuring the uniformity of the final effect on the floor. After this step, it is also advisable to fill the joints with a suitable product or with OXYDA IRON itself.

1) Mix OXYDA IRON (which comes in powder form) with 3-4 liters of water. In this case it is advisable to dissolve the color chosen in the water to be used in mixing the product. It is also recommended at this stage, for mixing, to pour the powder into the water and not vice versa, this is important to avoid having lumps.

NOTE ON THE COLOR: OXYDA IRON is colored with OX coloring toners, the colors are presented on the related OXYDA folder. OX toners are natural dyes, in paste, ready to use and which dissolve in water. Once the paste has been created, possibly pour another liter of water to adjust the density of the paste to be medium thick, suitable for trowel application. Once the product has been mixed, let the mix rest for about 10-15 minutes before applying.



ATTENTION: once OXYDA IRON is mixed with water, the product remains stable for about two hours, after which the mixture tends to harden and therefore it will no longer be applicable.

TOOLS ADVICE

We recommend using suitable tools for microcement. For example for the first hand we recommend the TOTAL BLACK MICROCEMENT, and for finishing the FLEX series.

2) Apply a uniform coat of OXYDA IRON with a trowel (TOTAL BLACK MICROCEMENT type) and immediately place and immerse the fiberglass mesh. We recommend a mesh with anti-corrosion certification of the ETAG type with a 7x7mm or 10x10mm mesh. To make sure to encapsulate the mesh well in the product during application Leave to dry well for 36-48 Hours depending on the temperature.

3) Apply a second harmonious coat of OXYDA IRON with trowel (of the ABILE WOOD FLEX or TOTAL BLACK FLEX type) spatulating the entire surface. At this stage make sure you apply the right amount of product in order to make the surface compact and smooth. While the product begins to consolidate, compact and smooth the surface with the trowel. At this stage it is possible to choose the satin finish of the surface by applying more or less pressure on the surface with the trowel. Leave to dry for 3-5 days making sure not to step on it and especially not to leave on top of the surface a ladders, work tools, furniture or whatever objects.

4) Once the surface is dry and weathered, refine the entire surface with a fine sandpaper or paper abrasive. This operation is necessary to remove any micro-granules that may naturally occur on the surface after applying the product. This step is also essential to facilitate the absorption of the protective. Vacuum any dust that may have settled or formed after this operation. Apply a coat of primer, ready to use: HYDROFINISH SPECIAL PLUS or alternatively SCUDO 1 using a short-haired roller and, at the same time, with a sponge, rub the product applied on the surface, this it will favor the absorption of the product in the OXYDA IRON. Alternatively, it can be applied directly with a sponge, rubbing the product in a circular way on the surface so that the primer penetrates all the pores of the surface.

- let it dry for 12-24 hours according to temperature.

5) APPLICATION OF THE FINAL PROTECTIVE Apply a ready-to-use coat of SCUDO M Lucido or Satinato, with a short-haired roller making sure to cover the entire surface well. Leave to dry well for at least 24 hours depending on the temperature. Then apply a second coat of SCUDO M Opaco with a short-haired roller making sure to cover well the entire surface. Leave to dry well, do not walk on the surface for at least 2-3 days depending on the temperature. In this phase, even if you want to obtain an opaque effect, we recommend always applying as a first coat SCUDO M Glossy or Satin, and then as a final coat SCUDO M Matt. Alternatively you can apply BICOMPONENT POLYURETHANE SCUDO (see technical data sheet) available in the Matt, Satin and Glossy versions.



ATTENTION: For surfaces where even greater resistance and water repellency is required, it is possible, as an alternative to the protective cycle indicated in this sheet, apply OXYDA HYBRID instead (see technical sheet). We recommend applying O. HYBRID especially for shower trays. For SWIMMING POOLS, on the other hand, DO NOT apply OXYDA HYBRID.

APPLICATION CYCLE FOR SWIMMING POOLS

In this technical data sheet, we provide further information on the use of OXYDA IRON micro-cement for your application in swimming pools. **ATTENTION:** We recommend always notifying the supplier in case of application of OXYDA IRON for swimming pools, in how much he will make sure of all the conditions of personal application of the product and to give further updated informations.

APPLICATION TIPS FOR NEW POOLS

Make sure that the construction of the pool, generally in concrete, is completely new and therefore not been treated with paints, plasters or treatments in general and that it has had the seasoning period recommended by the supplier and in any case not less than 28 days. In this period the cement released its acidity becoming inert. Also make sure that during application the working conditions are suitable, therefore application temperature between 5 and 30 degrees C, humidity in the air below 40% and that the substrate is, in addition to being seasoned as indicated first also completely dry. Also make sure that in the days after applying the steps recommended there are no rainy days otherwise protect the pool with a suitable cover.

1 APPLICATION OF RIVSAN COMPONENT A

Apply a coat of RIVSAN COMPONENTE A to the entire surface with a brush or roller, it is a fixative waterproofing and penetrating silicone.
Wait for it to dry completely at least 24 hours depending on the temperature.

2 APPLICATION OF RIV SAN COMPONENT C

RIVSAN COMPONENTE C is a fibre-based cement product in powder form. Dissolve with approximately 30-40% water to form a thick paste that can be applied with a spatula. Apply one coat over the entire surface giving a thickness of 3 to 5mm as needed. Wait for it to dry completely, 36-48 hours depending on the temperature.

3 APPLICATION OF OXYDA IRON

Apply OXYDA IRON as described earlier in this technical data sheet.

4 PROTECTIVE

In the case of swimming pools, the product can remain natural without the need for a protective product. In this case OXYDA IRON will get wet but will not crack or sag. However, to facilitate subsequent maintenance cleaning, we recommend applying a coat of HYDROFINISH OPACO SPECIAL to be applied with a short-haired roller and sponge in order to favor perfect adhesion to the product. This will allow the surface to be more waterproof and therefore more washable for a subsequent surface cleaning.



Wait a minimum of 3-5 days depending on the temperature before filling the pool with water.

APPLICATION TIPS FOR PLASTERED SWIMMING POOLS

Vendors are strongly advised to advise installers to conduct an on-site inspection to make an assessment on the resistance and hardness of the plaster. If following a technical report it is established that the plaster is resistant however, it is advisable to make sure to remove any layers of paint or treatments on the plaster. Then apply the POINT 1 and proceed with the application of OXYDA IRON.

APPLICATION ADVICE FOR SWIMMING POOLS TO BE RESTORED

For all other cases, we recommend removing the old plaster bringing the structure to the initial cemento state and proceed as for new pools.

FOR SPECIAL WORKS OR IN THE PRESENCE OF ANY DOUBTS WE SUGGEST TO CONTACT THE SUPPLIER TO HAVE A CUSTOMIZED APPLICATION CYCLE FOR THE SPECIAL CASES.



TECHNICAL DATA

Nature of the binder	Microcement
Viscosity	
Drying time	12h in touch, 36 h complete
Dilution	
Yield	0,4-0,5@frattonem ² /Lt
Specific weight	1,3 Kg/Lt
Available colors	check the color chart
Applied product aspect	waxed concrete
Packaged product aspect	powder
Storage	max temperature dry places temperature between 5 to 35 C
Stability	2 years while non opened original buckets
VOC	µGr/m ³
TVOC	N/A
PH	11,5@23°C
Tools cleaning	water
Packaging	2

Characteristics

Characteristics:	Opaque, Ecological, Natural, Washable
Applicable on:	Floors, Worktops, Walls
For :	interior, exterior
Certificate:	.

Related products and tools

Tools:	att, , , f200, attf24.
Related products:	OXYDA HYBRID, RETE CERTIFICATA ETAG, HYDROFINISH SPECIAL PLUS.

ATTENTION!

The raw materials used are natural and may have small differences based on the batch number used. It is recommended therefore to use the same batch of product for the same project to be done. Where this is not possible mix the batch with each other.

NOTE

- N.1 Attention, the Specific Weight indicated may not coincide with the Net Weight of the package for technical reasons coloring.
- N.2 The stability period is purely indicative, it refers to the minimum stability time of the product if stored in good conditions according to the instructions provided, in the original unopened buckets and in suitable temperature conditions. Self stored adequately the product can have greater stability than the minimum recommended period.
- N.3 Rivedil guarantees that the information in this sheet is provided to the best of its experience and of his technical and scientific knowledge, however, being elements such as atmospheric conditions, manpower, tools, quality of third party products and others, outside the direct control of Rivedil, this document does not constitute a guarantee, nor Rivedil authorize its agents and/or representatives to provide any type of guarantee based on the information contained herein document. We recommends always checking the effective suitability of the product for each specific case. This document cancels and replaces any previous form .