

Document type	Technical Data Sheet
Name	OXIDE METAL
Description	Decorative paint for interior vertical architectural finishes. Oxide Metal is a real metal in paste form. It's applied using a brush, roller, or trowel and then oxidised with an activator for a highly textured finish that resembles weathered metal. The Iron version appears as dark grey and turns rusty red when oxidised. The Copper version has a brown-red hue that turns Verdigris green after oxidisation. The oxidising accelerator can be applied with various tools for a range of textures and effects. This material has the advantage of being able to be applied to various surfaces, including decorative objects made of pottery, plastic, wood, or metal.
Versions	COPPER, IRON
Composition	Real metal powders (COPPER or IRON, according to the version) immersed in an acrylic polymer binder, water-based
Appearance	Thick paste
Colour	IRON: Dark grey, which becomes rusty red once oxidised; COPPER: brown-red, which becomes Verdigris green once oxidised.
Packaging	1 kg net polyethylene containers
Application	By hand, using a spalter, brush, trowel or roller. To be applied in one or two coats.
Type of Surface	Interior walls
Dilution	Ready to use, it can be diluted up to 100% of its weight with water
Consumption	500-1000 gr/ sqm
Drying	4 hours at 20°C / 68°F to the touch 24 hours at 20°C / 68°F below the surface
Application temperatures	min 8 max 35°C – R.U. < 85% ca
Coat Thickness	Less than 2 mm
VOC Classification	EU Directive 2004/42/CE: EU limit value for this product (cat A/I): 200 g/l (2010). This product contains less than 200 g/l of VOC.
Flammability	European Class of Reaction to Fire A1: non-combustible, no contribution to fire
Shelf life	24 months when stored according to the recommended guidelines
Storage	In original sealed packaging between 5° - 35°C in a dry, dark environment
Safety Norms	This product may cause skin allergic reactions. It is important to adhere to the prevailing safety and hygiene standards while using it. Refrain from disposing of the product in drains, water bodies, or on the ground. Always keep the product out of reach of children. In the event of ingestion, or allergic reaction seek medical assistance without delay and present the container or label. For further details, consult the safety data sheet.
Disposal	Product must be disposed of according to norms and regulations in force. Containers must be sent for recycling. Follow directions on the packaging.
Application Instructions	WARNINGS

We recommend using materials from the same production batch for the same project. If you must use different batches, we suggest mixing their material together to avoid any slight variations in shading.

To ensure proper usage, dilution, and application of the products mentioned in these pages, please consult the corresponding technical data sheets.

During application and for the following 24 hours, protect the surfaces from sudden temperature change, direct sun light and water. Don't apply in temperatures below 8°C or above 35°. During application make sure that the work area isn't too damp to avoid problems with application times.

APPLICATION

Preparation of the substrate

This product can be applied on all vertical architectural surfaces, and on objects made of wood, gypsum, concrete, metal, as well as on many types of plastic. On properly plastered surfaces apply DEKO PRIMER and allow it to dry completely. On other types of substrates, such as plastic, wood or metal: apply one coat of PRIMER Q.

Application

The application can be done in two ways:

- 1) Material in paste form. Apply it with a spatula or trowel in one coat.
- 2) Liquid material. Dilute the product with water in a ratio of 10 to 20% and apply with a roller or brush in two coats, leaving the first to dry completely before applying the second. Leave it to dry completely.

Oxidisation

The oxidation is done with OXIDE ACTIVATOR in two or more layers using different tools such as sponge, brush, spray bottle, rags, or roller. Wait at least 12 hours before applying the first layer of ACTIVATOR, and at least 4 hours between one application and the next. The final effect will depend much on the quantity of ACTIVATOR and on the tools used for its application. For a more interesting effect, it is recommended to change the application tool at each layer of ACTIVAOR. Please, see the Technical Data Sheet of ACTIVATOR for more information on its usage.

Special effects

Special effects can be obtained applying both version (COPPER and IRON) one over the other, or by mixing the materials together. Other effects can be achieved by applying more OXIDE METAL over a finish already oxidised with the ACTIVATOR. This process can be repeated multiple times. This product is also particularly suitable for creative stencil decorations.

Finish Protection (optional)

After at least 48 hours from the last application of ACTIVATOR, it is possible to apply a protective treatment with PU1C to block the oxidation process (especially when applied on exteriors) and to avoid the flaking of oxidised material. Note that PU1C will slightly change the look of the finish. It is very important to make a test on a small, scarcely visible area or board, before application on the whole surface. To prepare the surface for protection, start by removing any natural or typical chalking that may be present on the oxidized surface. Once the surface is clean and completely dry, apply a first layer

of diluted PU1C using a roller. If you want to enhance the surface protection, you can apply a second layer of PU1C.

Maintenance

No special work is required in maintenance, just remove the dust periodically.

Tools

SPALTER, BRUSH, TROWEL or SCRAPER. Clean with water after use.

We have drawn up the material presented above to the best of our technical and experiential knowledge. Nevertheless, our suggestions and recommendations are not guaranteed. All responsibility for the obtained results lies solely with the method and conditions adopted for the application of the product. Such indications constitute valid support for verifying the product's suitability for the specific case. We reserve the right to make modifications to the present information without previous warning.