

Technical data sheet

Vivido Ferro GSX

4505

Corrosion-protection coating with micaceous iron oxide for DIY and professional use

PRODUCT DESCRIPTION

General

Primer, intermediate and top coat based on special synthetic resins with excellent corrosion protection and very good weather resistance. Environmentally friendly due to higher solids content and aromatic-free white spirit as a solvent. Compatible with residual rust. Resistant to industrial atmospheres, flue gases and acid rain.

Special properties and standards



- Colour resistance according to BFS data sheet no. 26
Class C
Group 1 - 3 (depending on colour shade)

Application area



For coating iron, steel, zinc and aluminium indoors and outdoors.

Especially for sheet metal roofs and steel structures exposed to extreme weathering.

PROCESSING

Processing instructions



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 5 °C.
- Do not carry out work at low ambient temperatures or on components that are too cold (below the dew point).
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- Do not process it under conditions of intense sunlight, rain, extremely high humidity, strong wind or pending frost.
- Early exposure to water from rain or dew must be prevented!
- To improve the mechanical resistance and cleanability, it can be coated with Vivido Varicolor Farblos (4161) after thorough drying (approx. 1 week).
- 2-component processing with Alkydharzturbo (8054) for increased mechanical resistance of the surfaces and faster through-drying of the primer or intermediate coat. **For professional and industrial use only!**
- Do not close containers with hardened material.
- The color shade, compatibility and adhesion to the substrate must be checked by creating sample panels.

- Spraying is only allowed in spray booths complying with the VOC Directive.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.

Blending ratio



8054 10%

10 part(s) by weight: Vivido Ferro GSX (4505)
1 part(s) by weight: Alkydharzturbo (8054)

Before application, Alkydharzturbo (8054) must be thoroughly stirred into the coating component.

Pot life

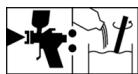


8 hour(s)

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique



20% 8014



	Cup gun	Brushing	Rolling
Spraying nozzle Ø (mm)	2,0 - 2,2	-	-
Spraying pressure (bar)	2 - 3	-	-
Diluent	KH-Spritzverdünning 8014	-	-
Diluent amount added (%)	ca. 20	-	-
Applied quantity per application (ml/m²)	ca. 125	100 - 125	

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at 23 °C and 50 % rel. humidity)



Re-coatable at room temperature	approx. 24 hour(s)
Final hardness	approx. 7 day(s)

The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

For good thorough drying, the recommended application quantities must be adhered to. Excessive layer thicknesses lead to a considerable drying delay!

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Cleaning the working equipment



8014

With KH-Spritzverdünner (8014) immediately after use.

To remove dried product residues we recommend using Abbeizer Express (8313).

SUBSTRATE

Type of substrate

Iron and steel, non-ferrous metals, hard PVC and coatable plastics

Substrate property	The substrate must be clean, dry and free from separating substances, and must be checked for suitability and soundness for subsequent coating! Please observe the additional documents: <ul style="list-style-type: none">● ÖNORM B 2230-1● ÖNORM B 3430-1● DIN 18363● Current BFS information sheets
Substrate preparation	<p>Iron and steel: Remove rust down to bare metal. Thoroughly remove greasy or oily impurities using Entfetter (7233).</p> <p>Zinc, aluminium and other non-ferrous metals: Sand until matt with abrasive fleece and Entfetter (7233).</p> <p>Hard PVC and coatable plastics: Sand until matt with abrasive fleece and Entfetter (7233).</p> <p>Old coatings: Sand intact old coatings with grit size 120 and clean. Remove old coatings that cannot be recoated. Coating system like new paint.</p>

COATING SYSTEM

Primer coat	1 x Vivido Ferro GSX (4505) Hard PVC and coatable plastics: Due to the large number of plastic materials, an adhesion test is recommended. Old coatings: The compatibility of the coating must be checked on intact old coatings. Special cases: For powder coatings we generally recommend priming with Vivido 2K-Epoxy-Primer Uni (5604). Make a sample and check adhesion. Please observe BFS data sheet no. 24. Sand anodised aluminium and stainless steel very well until matt and prime within 60 minutes with Vivido 2K-Epoxy-Primer Uni (5604).
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Intermediate sanding	If necessary, grind the primed surface with grit size 240. Remove sanding dust.
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Intermediate coat	1 x Vivido Ferro GSX (4505) (only necessary for iron and steel in outdoor areas)
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Finishing coat	1 x Vivido Ferro GSX (4505)
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MAINTENANCE

Care	The durability depends on several factors: these include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour applied. To obtain long durability, regular inspection, maintenance and, if necessary, repair measures are necessary. If required, remove all dust and dirt from the still intact surfaces, sand them using grit size 120, clean them and then coat with 1 - 2 x Vivido Ferro GSX (4505)
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ORDERING INFORMATION

Size of trading unit	750 ml; 2,5 l; 10 l
Colour shades / Glosslevels	<p>Ferro GSX# ca. RAL9006 (54121) Ferro GSX# ca. RAL9007 (54122)</p> <p>Other colour shades can be obtained using the ADLER colour mixing system Color4You.</p> <p>Base paint(s): Vivido Ferro GSX# Basis E20 (54120)</p> <p>In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface.</p> <p>It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.</p> <p>The following must be observed for decorative coatings with high visual requirements:</p> <p>Due to the system, streaking or clouding may occur with colour shades RAL 9006 and RAL 9007.</p> <p>The best results are achieved by spraying.</p> <p>In the case of metallic and mica colours, different applications and subsequent touch-up work may result in differences in colour tone.</p> <p>Please consume blended products within 3 months.</p> <p>Please observe our ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.</p>
Supplementary products	<p>Vivido 2K-Epoxy-Primer Uni (5604) Alkydharzturbo (8054) Abbeizer Express (8313) KH-Spritzverdünner 8014 (8014) Entfetter (7233) Vivido Varicolor Farblos (4161)</p> <p>Please refer to the corresponding technical data sheets of the products.</p>

FURTHER DETAILS

Durability / storage	<p>Min. 3 year(s) in the original sealed containers.</p> <p>Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).</p> <p>We recommend to transfer the contents of open containers to smaller ones in order to prevent gelling / skin formation.</p> <p>Close opened containers well and use up the content as soon as possible.</p>
Technical specifications	<p>VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Vivido Ferro GSX (Cat A/i): 500 g/l. Vivido Ferro GSX contains a maximum of 350 g/l VOC.</p>
Giscode	BSL20
Declaration of ingredients according to VdL-RL 01	alkyd resins / aliphatic compounds / inorganic white and coloured pigments / wetting agent / drying agents (siccatives) / anti-skin agent

Safety information



During sanding use P2 / P3 dust filter. Do not inhale spray mist. Use combination filter A2 / P2 and safety goggles.

Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at www.adler-lacke.com.
