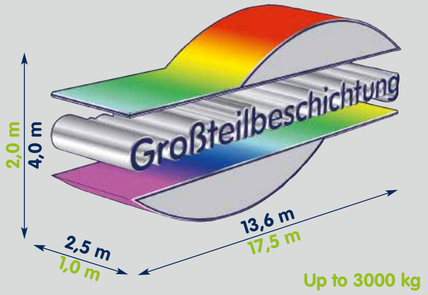
Large Part Powder Coating

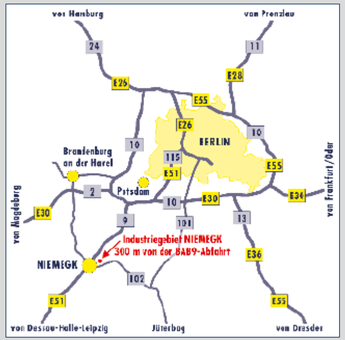


Quality

The quality of our production is ensured by our quality management system according to DIN EN ISO 9001, which is complemented by permanent quality checks in our in-house laboratory.
In addition, we carry the GSB seal of approval as "Master Coater" for powder coating of aluminum under the approval numbers 255 and 291. The Niemegk site is also certified with the GSB seal of approval "Approved Master Coater Zinc & Steel" under approval no. 291. We are holding approvals of the "Deutsche Bahn". Additionally, the Pöttelsdorf site has the "Austria" quality seal for cargo coating under certificate no. 90.033. We also work with external test laboratories and maintain comprehensive process documentation. Last but not least, each of our employees feels responsible for the quality and timely processing of orders.

Directions and contact

Location Germany



Location Austria

A transport service is available.

ENVIRAL® Oberflächenveredelung GmbH

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D-14823 Niemegk
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0800-400150

Office hours:
Mon. – Fri.: 7:00 a.m. to 5:00 p.m.
Delivery/pick up
Mon. – Fri.: 7 a.m. to 5 p.m.
or according to telephone arrangement (shift operation)

We deliver based on our general terms and conditions and our current technical data sheets.

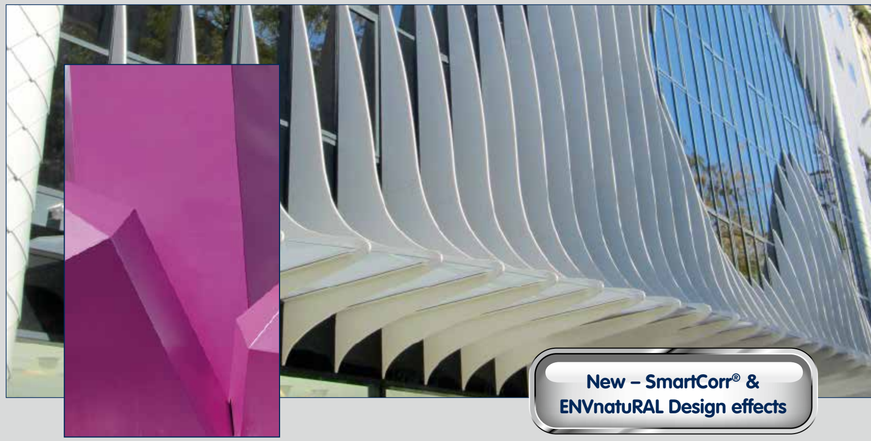
FB-7-29/7-10.17E

ENVIRAL®
Oberflächenveredelung GmbH

ENVIRAL® Oberflächenveredelung GmbH

Your finishing partner for: aluminum, steel, galvanized steel, stainless steel, glass

- Large part powder coating
  up to 13.6 m x 2.5 m x 4.0 m up to 3000 kg
  up to 17.5 m x 1.0 m x 2.0 m up to 3000 kg
- Small part powder coating
- Single part and serial powder coating
- Powder coating on glass
- Mounting and completion
- Iron phosphating
- Chromium-free aluminum pretreatment
- Pressure and centrifugal blasting
- powderfix patches repairs
- Color card production
- Adhesive foiling



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Company profile

ENVIRAL® Oberflächenveredelung GmbH was founded in 1994 and started production at the location Niemegk in 1996. Since then, the company has developed into a regionally and nationwide recognized service provider in the field of surface finishing and contract powder coating. On the basis of this long-standing success, in 2003 ENVIRAL® Oberflächenveredelung GmbH was founded in Austria, where it has been producing at the location Pöttelsdorf since 2007 and is also serving the neighboring countries.

Our service portfolio

At both company locations, we offer our customers from industry, craft, metal art, facade and metal construction powder coating systems, that meet the highest quality requirements. In addition to a high-quality appearance and an almost endless variety of colors and effects, ENVIRAL® powder coatings are characterized above all by their excellent UV and mechanical resistance as well as outstanding corrosion protection properties.

In addition to powder coating, ENVIRAL® offers other surface finishing processes, such as anodizing, electro galvanizing, hot-dip galvanizing and paint stripping. Additionally, various repair systems, glass bead blasting, assembly and completion work, packaging and adhesive foil application, as well as a transport service complete our range of services.

Our employees

ENVIRAL® Oberflächenveredelung GmbH currently employs about 45 people at its site in Niemegk and about 30 people at its site in Pöttelsdorf. Depending on capacity utilization, production runs in 2 or 3-shift operation. In addition, ENVIRAL® provides regular training in the commercial and technical fields.

Production capacities

At our location in Niemegk we produce with four powder coating systems – two manual and two automatic systems – up to 2,500 m² of coating surface per day. The daily output of our plant in Pöttelsdorf is approx. 1,000 m², achieved with two powder coating systems. Simultaneously, we are opening up new dimensions for powder coating with our large-area coating systems: we can coat components up to 13.0 x 2.5 x 3.6 m or 17.5 x 1.0 x 2.0 m with wall thicknesses over 50 mm and unit weights of up to 3,000 kg, automatically or by hand.

Ground materials

The palette of coatable materials ranges from aluminum to steel and various galvanized steels, e.g. strip, hot-dip and electrogalvanized steels. As a specialty we offer powder coating of stainless steel, brass, glass, paper and foil.

Environment

We use an energy management system, an environmental management system and record detailed energy consumption online.

We also take environmental protection into account by using heavy metal-free pretreatment chemicals and our product "ENVIRAL® chromium-free aluminum pretreatment". The entire process of our wet-chemical pretreatment is also characterized by an innovative wastewater concept that is free of industrial wastewater. In addition, the blasting residues resulting from the mechanical pretreatment are collected for further processing into abrasive paper.

For the surface refinement of the customer goods entrusted to us, we consciously decided to use plastic powder coating, as this refinement process is completely solvent-free. If wet paint systems are used, we use low-solvent water-based paints.

References

Air condition housing, RAL 7016 (railroad approval) + anti-slip paint RAL 1003

Large Play Tower (Uni-Viertel/university quarter Essen), RAL 3020 + 2008

Steel columns for lion enclosure (Leipzig Zoo), color gradient RAL 1002 matt in RAL 1011 matt

West End City Center (Budapest), ENV brass gold metallic

Design sample ENV Design Rolled Steel Type Corten

Singerstraße (Berlin), ENV stainless steel Calcolo

Tunnel portal design Roppener Tunnel (Inntal freeway), NCS S 7010-Y30

Schützenhöfe (Berlin), RAL 7035 + ENV architectural bronze

Church "Zum Heiligen Kreuz" (Berlin), ENV Goldbeige metallic dull matt

Bauhaus-home improvement store (Berlin), ENV Bauhaus metallic beige V

Bicycle frame and accessories, ENV Rubino Rosso

Augusteum (Lutherstadt Wittenberg), ENV Architectural Bronze metallic smooth matt + ENV Architectural Bronze metallic fine structure matt

Picture credits:
Cover photo: middle section from left to right: ENVIRAL® (1, 3, 5); Concept GmbH (2); G. M. Pozzoli Br., Agfolva (4); Vivarini (6, 9); IGT Geotechnik und Tunnelbau; Zimmermeister GmbH, Salzburg (7); boxbo GmbH (8); ENVIRAL®, Photographer: Hagen Immel (10, 12); BELLA CIAO (11); Large-scale coating: Big motive: AE Schreder GmbH, Vienna; Small motives: ENVIRAL® (1); ENVIRAL®, Photographer: Hagen Immel (2 + 3)

Processes and part dimensions

The following processes, sizes and piece weights are possible:

- Chemical pretreatment of steel/steel galvanized: Degreasing/iron phosphating
- Chemical pretreatment of aluminum: degreasing/staining/chromium-free titanium pretreatment
- Powder coating as industrial coating
- Powder coating in facade quality
- Anti-graffiti powder coating
- Powder coating on glass (only in Germany)
- Water-based coating (only in Germany)
- Adhesive foil application
- Pressure and centrifugal blasting
- Glass bead blasting
- Blasting with iron-free blasting media
- Anodizing E6 EV1, gold, black, bronze shades C31-C35
- Galvanizing and hot dip galvanizing
- Paint stripping, chemical and thermal

LARGE PART POWDER COATING
of ALUMINIUM, STEEL and galvanized STEEL
up to l = 13600 x w = 2500 x h = 4000 mm
up to l = 17500 x w = 1000 x h = 2000 mm
unit weights up to 3000 kg
(higher unit weights upon agreement)

Chromium-free titanium pretreatment, powder coating and water lacquer coating of ALUMINIUM, STEEL and galvanized STEEL
up to l = 6500 x w = 800 x h = 1800 mm
Piece weight up to 275 kg
up to l = 7000 x w = 1000 x h = 2000 mm
Piece weight up to 2000 kg
(for larger dimensions and piece weights see large part powder coating)

CENTRIFUGAL BLASTING
up to l = 17500 x w = 1000 x h = 2000 mm
Piece weight up to 3000 kg

PRESSURE BLASTING (with iron-free abrasive)
up to l = 13600 x b = 2500 x h = 4000mm
up to l = 17500 x b = 1000 x h = 2000mm
unit weight up to 3000 kg

GLASS BEAD BLASTING
up to l = 13600 x w = 2500 x h = 4000 mm
Unit weight up to 3000 kg

ANODIZING E6 EV1 natural
up to l = 6000 x w = 500 x h = 2000 mm
Piece weight up to 40 kg

ANODIZING E6 EV1, gold, black, bronze tones C31-C35
up to l = 3800 x w = 600 x h = 1800 mm
Piece weiht up to 150 kg

Electro galvanizing
up to l = 4700 x w = 500 x h = 1400 mm
Piece weight up to 500 kg

PAINT STRIPPING - Aluminium
up to l = 6000 x w = 1000 x h = 1400 mm
Piece weight up to 250 kg

PAINT STRIPPING – Steel
up to l = 1500 x w = 1000 x h = 1200 mm
Piece weight up to 500 kg

Adhesive foil application
up to l = 3000 x w = 1500 mm sheets, windowsills and profiles

Powder coating on glass (only in Germany)
up to l = 3500 x w = 2000 x h = 10 mm
unit weight up to 3000 kg

All services provided by **ENVIRAL®** Oberflächenveredelung GmbH are described in the currently valid technical data sheets and are executed in accordance with the currently valid General Terms and Conditions. The technical data sheets contain details on ground materials, sizes and other technical information. The individual topics can be viewed and requested under "data sheets" on our homepage www.enviral.de and www.enviral.at.