

PPG Steel Fabricator Solutions

Increasing efficiency for in-shop application

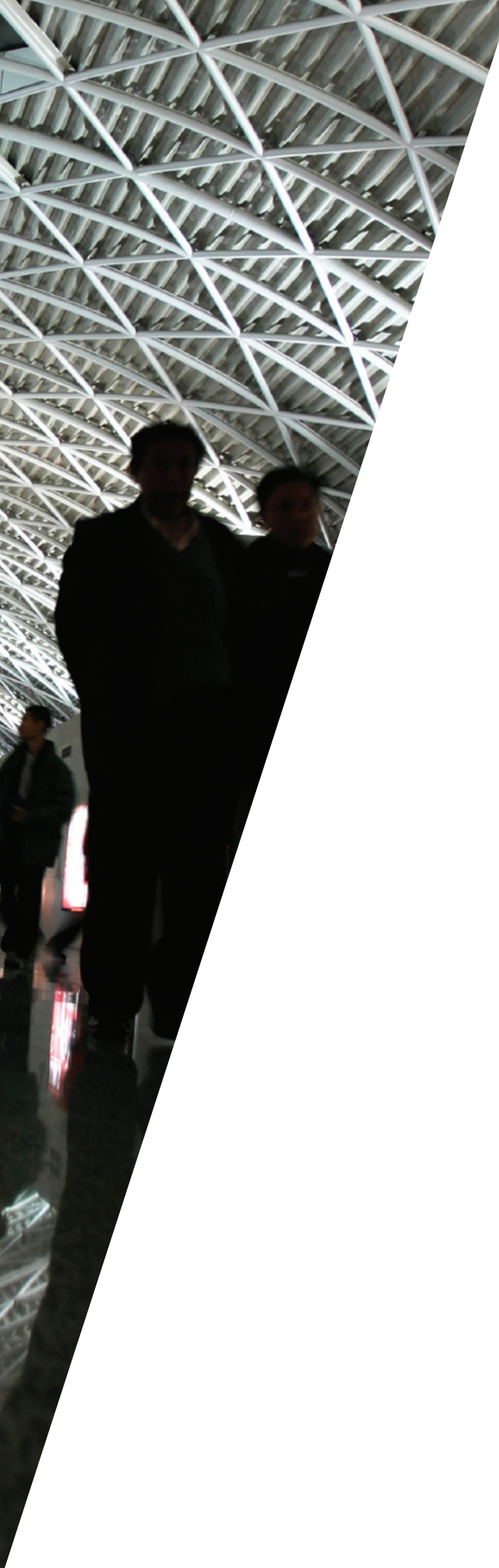
Our comprehensive product line serving Europe, Middle East and Africa.



PPG Steel Fabricator Solutions

Increasing efficiency for in-shop application





For industries where time is money, PPG's range of fast-curing protective coatings is proven to help improve productivity and reduce application times. Delivering swift and reliable results every time, our specially formulated in-shop products are used to protect steel assets in a variety of civil and industrial applications faced with tight construction deadlines.

Our steel fabricator solutions are cost-effective and easy to apply, cure at low temperatures, offer extended overcoating times for greater flexibility and provide excellent corrosion resistance.



Industry applications

This range consists of fast-drying, two-component and one-component primers, build coats and finishes, providing value for money and long-term corrosion protection in a variety of environments.

PPG Steel Fabricator Solutions are widely used and trusted to withstand the challenging environments encountered in a variety of industries:

Infrastructure

- Bridges
- Port and harbor structures
- Wastewater facilities

Civil building

- Airports
- Shopping malls
- Stadia

Petrochemical

- Land storage tank externals
- Pipework
- Structural steel

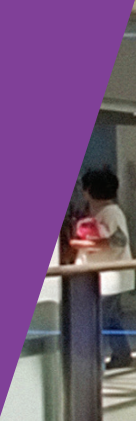
Power

- Power plants
- Wind turbines

OEM

- Industrial equipment manufacturing

Improve productivity and reduce application times



Steel coatings for fabricators

Two-component products

PPG SIGMAZINC™ 105

Fastest drying zinc epoxy primer on the market - overcoating time of 25 minutes at 20°C

PPG SIGMAFAST™ 278

High-solids zinc phosphate epoxy primer and buildcoat - minimum overcoating time is 2 hours at 20°C

PPG SIGMAFAST 205 LT/ PPG SIGMAFAST 205

Relatively high-solids zinc phosphate epoxy primers and buildcoats, available in a full range of colors - minimum overcoating times are 3 hours (205 LT) and 4 hours (205) at 20°C

PPG SIGMAFAST 210HS

High-solids, high build zinc phosphate polyurethane primer and finish, available in a wide range of colors - minimum overcoating time is 4 hours at 20°C

One-component products

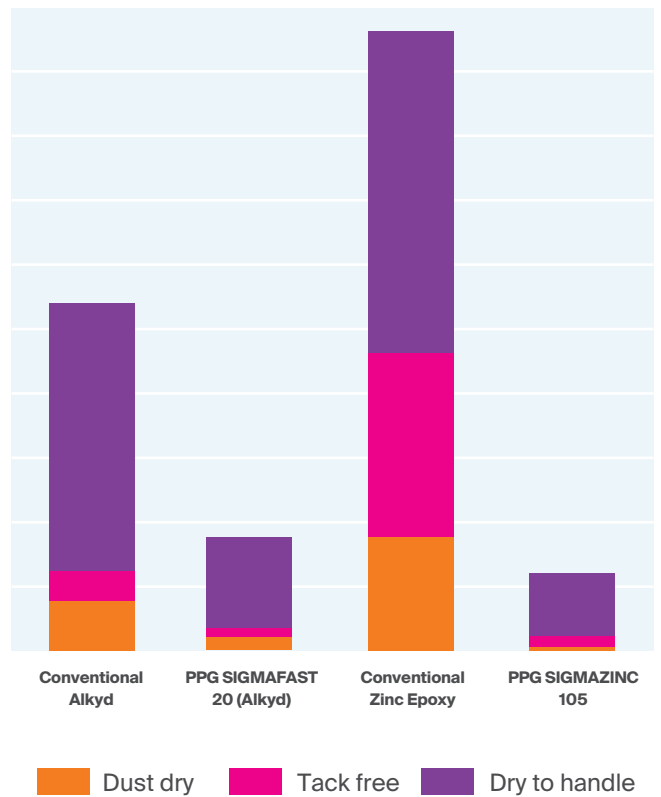
PPG SIGMAFAST 20

High-build, zinc phosphate alkyd primer - minimum overcoating time is 4 hours at 20°C

PPG SIGMAFAST 40

Semi-gloss alkyd finish - touch-dry in 45 minutes at 20°C

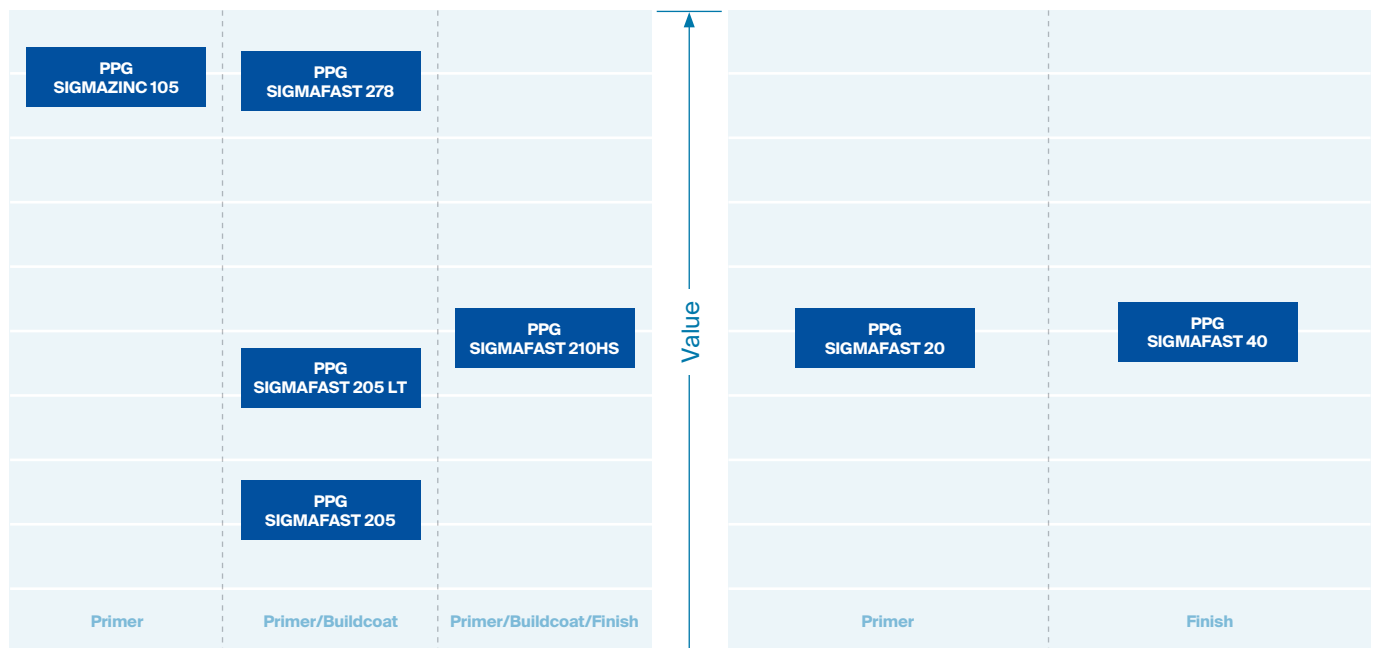
Speed of cure





PPG two-component solutions

PPG one-component solutions



In-shop Performance*

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*In-shop Performance: Production speed/Minimum curing temperature/
Recoating intervals/Volume solids

*In-shop Performance: Production speed/Recoating intervals/Volume solids

Long-term corrosion protection for a variety of environments



Two-component products

Primer

PPG SIGMAZINC 105 **Fast drying zinc epoxy primer**

This primer can be overcoated after as little as 25 minutes at 20°C and up to 12 months after application. It is trusted and widely used in all industrial projects where both durability and speed of application are required.

- Minimum overcoating time is 25 minutes at 20°C
- Maximum overcoating interval of 12 months
- Low-temperature curing down to -5°C
- No popping occurs when topcoat is applied
- Excellent corrosion resistance in atmospheric conditions
- Resists testing requirements of ISO12944-6 in two- and three-coat systems up to C5I

Primer and buildcoat

PPG SIGMAFAST 278 **High-solids, zinc phosphate epoxy primer and buildcoat**

This product combines the following advantages:

- Innovative phenalkamine technology
- High solids: 80% of volume solids
- Low-VOC content: 230g/l and 153g/kg maximum, complying with the latest VOC legislation, such as Directive 2004/42/CE, Solvent Emission Directive 1999/13/CE, Directive 2010/75/UE or even new targets in current European VOC discussions
- Fast-drying: touch-dry after 1 hour and dry-to overcoat after 2 hours at 20°C based on phenalkamines technology
- One coat of SIGMAFAST 278 can resist testing requirements of ISO12944-6 upto C4-high
- Two coats of SIGMAFAST 278 can resist testing requirements of ISO12944-6 upto C5-high
- Broad application thickness range: 75 µm to 250 µm
- Wide temperature application range with only one curing agent: -5°C to 40°C
- No induction time

PPG SIGMAFAST 205 LT / PPG SIGMAFAST 205 **Relatively high-solids, zinc phosphate epoxy primer and buildcoat**

General purpose epoxy primers and buildcoats for atmospheric conditions.

- One-coat solution is quick and easy to apply directly to metal
- Minimum overcoating times are 3 hours (205 LT) and 4 hours (205) at 20°C
- Maximum overcoating time intervals are 6 months
- Available in a full range of colors
- Good corrosion resistance in atmospheric conditions

Primer, buildcoat and finish

PPG SIGMAFAST 210HS **High solids zinc phosphate polyurethane primer and finish**

Ideal for the construction of stadiums, PPG SIGMAFAST 210HS is a cost-effective one-coat primer, building and finish solution. It is fast and easy to apply directly to steel, is dry-to-handle in 4 hours at 20°C and is available in a wide range of colors.

- One-coat solution is quick and easy to apply directly to metal
- Minimum overcoating is 4 hours at 20°C
- Indefinite overcoating time
- Low-temperature curing down to -5°C
- Available in a full range of colors
- Excellent color and gloss retention
- Good corrosion resistance in atmospheric conditions

One-component products

PPG SIGMAFAST 20 **High-build zinc phosphate alkyd primer**

This red oxide, high-build, fast-drying primer is an outstanding one-pack product for the maintenance of aged coating systems on equipment and steel constructions.

- Touch-dry in 30 minutes at 20°C
- Minimum overcoating time is 4 hours at 20°C
- Extended overcoating interval
- Compatible for surface treatment to St2
- Available in a range of colors
- Good corrosion resistance in atmospheric conditions
- Tough and durable

PPG SIGMAFAST 40 **Semi-gloss alkyd finish**

High-build, semi-gloss coating based on modified alkyd resin, PPG SIGMAFAST 40 is an excellent multipurpose coating. It is the perfect topcoat over shop primers and is ideal for the repair and touch-up of aged coatings.

- Touch-dry in 45 minutes at 20°C
- Minimum overcoating time is 4 hours at 20°C
- Extended overcoating interval
- Available in a full range of colors
- Good color and gloss retention



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