



SIGMAFAST™ 278

A unique range of benefits for in-shop applications

- Innovative phenalkamine technology
- High solids: 80% of volume solids
- Low-VOC content: 230 g/L and 153 g/kg maximum, complying with the latest VOC legislation
- Fast drying: Touch dry after 1 hour and dry to overcoat after 2 hours at 20°C
- One version combining direct to metal use for C1 to C4 environments and also buildcoat use for C5 environments following ISO 12944 standard
- Broad application thickness range: 75 µm to 250 µm
- Large temperature application range with only one curing agent: -5°C to 40°C
- No induction time



**PPG Protective &
Marine Coatings**

Bringing innovation to the surface.™

SIGMAFAST™ 278

Three coat-systems can be applied in one day!

The ultimate solution for in-shop application

The SIGMAFAST 278 primer and buildcoat is now the ONLY coating on the market that combines 80% of volume solids with excellent fast drying properties in one product.

This innovative product, part of the PPG brand, is the latest coating development based on our proven long history in epoxy chemistry, which answers the need to improve the speed of in-shop applications and provide compliance to all VOC legislation.

SIGMAFAST 278 delivers improved in-shop productivity

Systems following ISO 12944-5 with high durability

- C3 to C4 environments: Two-coat system
- C5 environment: Three-coat system

Systems following ISO 12944-5			
	C3	C3/C4	C3/C4/C5
SIGMAFAST 302			50 µm
SIGMAFAST 278	120 µm	200 µm	190 µm
SIGMAFAST 210/220	80 µm	80 µm	80 µm
Total thickness	200 µm	280 µm	320 µm

- All three systems can be applied in one day at 20°C – even the three-coat system
- All three products can be applied between -5°C and 40°C

Overcoating times & dry to handle at 20°C				
		C3	C3/C4	C3/C4/C5
SIGMAFAST 302 (50 µm)	Overcoating time			25 min
SIGMAFAST 278 (120 to 200 µm)	Overcoating time	2 hr	2 hr	2 hr
SIGMAFAST 210/220 (80 µm)	Dry to handle	3 hr	3 hr	3 hr
Total		5 hrs	5 hrs	5 h 25 min

- VOC legislation: all these systems meet the requirement of the Solvent Emission Directive 1999/13/CE and Directive 2010/75/UE without any particular adaptation of in-shop installations

SIGMAFAST 278 can be combined with SIGMAFAST 302 as a primer for C5 systems and also SIGMAFAST 210 or SIGMAFAST 220 as an aesthetic finish coating.

SIGMAFAST 302

Unique zinc silicate epoxy primer.

- Unique zinc silicate technology that allows perfect curing without any take-up of water
- Fast curing and fast handling: touch-dry after 10 min at 20°C
- Very fast overcoating times: 25 min for 50 µm at 20°C, 40 min for 80 µm at 20°C
- Thickness between 50 to 80 µm but no mud cracking risk until 160 µm
- Low formation of zinc salts
- Excellent adherence on grinded and cut steel parts

SIGMAFAST 210

Versatile polyurethane primer, buildcoat and finish.

- Semi-gloss
- Dry to handle in 3 hours at 20°C
- Full range of colours by using our MPS tinting machines
- Excellent colour and gloss retention

SIGMAFAST 220: New Product

Versatile polyurethane primer, buildcoat and finish.

- Has the same advantages of SIGMAFAST 210 plus a gloss appearance

For more information please consult our technical data sheets.