



## 456 ZINC PHOSPHATE METAL PRIMER

### PRODUCT DESCRIPTION

Commercial Performance Coatings 456 Zinc Phosphate Metal Primer is a single pack, alkyd resin based primer with non-toxic, zinc phosphate anticorrosive pigments to maximize corrosion protection.

It is a relatively fast drying primer with excellent adhesion to suitably prepared substrates and exhibits very good gloss hold-out when overcoated with alkyd enamel finishes including the 342 Camouflage Enamels.

It is approved to APAS 0162 as a zinc phosphate pigmented primer for use on well cleaned (prepared to AS1627.2 Class 2 Power Tool Cleaning St 3 or AS1627.7 Class 2 Hand Tool Cleaning St 2) steel, phosphated steel or aluminium surfaces.

### PRODUCTS

456-6452		ZP Metal Primer Grey
Reducer	<i>All conditions</i>	AER30 Alkyd Enamel Reducer Slow
Cleaners		971-9119 PROTEC® Metal Conditioner AA-6822 <i>Protec</i> Heavy Duty Wax & Grease Remover

### SUBSTRATES & PREPARATION



Commercial Performance Coatings 456 Zinc Phosphate Metal Primer can be applied over the following substrates once they have been prepared as follows:

#### SUBSTRATE

Bare Steel

#### PREPARATION

AS1627.2 Class 2 Power Tool Cleaning St 3

AS1627.7 Class 2 Hand Tool Cleaning St 2

STARTLINE® P80 - P120 - dry

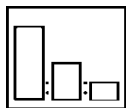


Surfaces showing heavy scale or surface rust should be treated with 971-9119 *Protec* Metal Conditioner. Heavily rusted surfaces should be abrasively blast cleaned.

Before and after any sanding operation, the substrate must be thoroughly degreased using AA-6822 *Protec* Heavy Duty Wax & Grease Remover to remove all traces of dirt, oil, grease, silicone, wax etc.

*For other primer options please consult the PPG Commercial Performance Coatings Technical Team.*

## MIXING RATIO BY VOLUME



### PRODUCT

456-6452

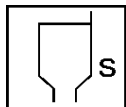
Reducer

### PARTS

100

Up to 20%

## SPRAY VISCOSITY



20 - 23 seconds (DIN 4) at 25°C

## SPRAYGUN



### CONVENTIONAL, HVLP

#### SETUP

- GRAVITY 1.6 mm - 1.8 mm
- SUCTION 1.8 mm - 2.2 mm

#### SPRAY PRESSURE

- CONVENTIONAL 2.7 - 3.5 bar (275 - 345 kPa, 40 - 50 psi)
- HVLP / RP 2 - 3 bar

## APPLICATION & FLASH OFF



Apply 2 - 3 wet, even coats

Allow 10 minutes flash off between coats at 25°C

## DRYING TIMES



### AIR DRY (25°C)

- DUST FREE: 10 - 15 minutes
- TOUCH DRY: 30 minutes
- WET ON WET APPLICATION: 1 hour
- HARD DRY: Overnight

Note: Drying times can vary dependent on temperature, flash off between coats, film builds and number of coats applied. Must be sanded after 16 hours drying time.

## RECOAT



Can be recoated after 16 hours drying at normal ambient conditions.

Not recommended for top coating with lacquers or two pack products.

## TOTAL DRY FILM BUILD

50 - 60 µm

## TECHNICAL PARAMETERS

<b>VOLUME SOLIDS (RFU)</b>	41%
<b>COVERAGE</b>	7.0 - 10.2 metres squared per litre (m <sup>2</sup> /L)
<b>RESISTANCE PROPERTIES</b>	
<b>WEATHERING</b>	Poor
<b>ABRASION</b>	Good
<b>SOLVENT</b>	Fair
<b>CHEMICAL</b>	Fair
<b>HEAT</b>	Satisfactory up to 120°C Dry Heat
<b>IMMERSION</b>	Not recommended

## EQUIPMENT CLEANING

After use, clean all equipment thoroughly with cleaning solvent or thinner.

## HEALTH AND SAFETY

Please refer to Safety Data Sheets (SDS) for full Health and Safety details, as well as product can labels.

This product is for professional use only. The information given in this sheet is for guidance only. Any person using the product without first making further inquiries as to the suitability of the product for the intended purpose does so at his or her own risk and we can accept no liability for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development. Drying times quoted are average times at 25°C/77°F. Film thickness, humidity and shop temperature can all affect drying times.

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