

# GLADIATOR™ 2K PROTECTIVE COATING



YA1

**Black or Tintable**

## PRODUCT DESCRIPTION

*Gladiator* 2K Protective Coating can be applied to give a resilient textured finish where high durability is required. It is an extremely versatile product with any applications to automotive and commercial vehicles, light industrial equipment and many more surfaces. It is fast drying and gives excellent chip and scratch resistance.

## PRODUCT LIST

PRODUCT CODE	PRODUCT NAME
YA1	<i>Gladiator</i> ™ Black
YA2	<i>Gladiator</i> ™ Tintable
CG1	<i>Gladiator</i> ™ Hardener
SELEMIX® 1-480	Thinner

## SUBSTRATES AND PREPARATION

Although *Gladiator* coating can be applied directly to prepared metal surfaces, it is recommended that these substrates are primed first for best durability, especially if in corrosive environments.



SUBSTRATE	PREPARATION
Steel (Blast Cleaned)	Blast clean to ISO 8501-1 SA 2.5 with a blast profile of maximum 40 µm Rz
Steel	Machine sand with P80-120 discs and degrease
Galvanised steel	Abrade with Abrasive Weave Pad or P500 and degrease
Aluminium	Machine sand with P240-320 discs and degrease
Painted Surfaces	Machine sand with P240-320 discs and degrease
Primed Surfaces	Refer to Primer TDS for recoat time

**TINTING**



TINTING	BLACK GLADIATOR	TINTABLE GLADIATOR
Amount	Not Required	Add 10% of Concentrated Tinters (or 75mls or 80-100g to the 750ml bottle)
Tinters	Not Required	Use PPG <i>Selemix</i> Tinters

**MIXING**



FEATURES	APPLICATION BY GLADIATOR GUN / SCHUTZ GUN	APPLICATION BY CONVENTIONAL GRAVITY-FEED GUN
Volume Mix Ratio with Hardener	3:1 or 750mls + 250 mls	3:1 or 750mls + 250 mls
Thinners	Not required	30-40%
Pot Life	90 mins	90-120 mins

**SPRAY APPLICATION**



FEATURES	APPLICATION BY GLADIATOR GUN / SCHUTZ GUN	APPLICATION BY CONVENTIONAL GRAVITY-FEED GUN
Air Pressure	4 Bar 3 Bar on final coat if a coarser finish is required	2 Bar 0.3-0.5 Bar on final coat if a textured finish is required
Distance from substrate	Approx 50cm	Approx 20cm
Number of Coats	2	2
Flash Off Between Coats	10-15 mins	10-15 mins

**DRYING TIME**



MODE	TIMES
Tack Free	30-40 mins
Through Dry	24-30 hours at 20°C
Bake (optional)	20 mins at 60°C

**TECHNICAL DATA**



FEATURE	DATA
Finish	Acrylic 2K Coating with textured or orange-peel effect
Gloss	Semi-Matt
Density (SG)	1.08 Unthinned
Solids Content (% weight)	49% Unthinned
Solids Content (% volume)	40% Unthinned
Theoretical Coverage	4m <sup>2</sup> per Litre
VOC (g/L)	528-549 g/L unthinned 587-604 g/L with 30% Thinners 603-618 g/L with 40% Thinners

**HEALTH AND SAFETY**

For comprehensive Health, Safety and Environmental advice, please refer to the relevant Material Safety Data Sheets and 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 enquiries as to the stability of the product for the intended purpose does so at his 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 our experience and our policy of continuous product development. Drying times quoted are average times at 20°C. Film thickness, humidity and shop temperature can all affect drying times.

**FOR FURTHER INFORMATION PLEASE CONTACT**

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