

# Zertona™ Alloy Guardian Advance Technical Fact Sheet

**Clear and transparent**  
**Excellent weather-ability - No yellowing**  
**UV resistant - Easily sheds brake dust, dirt and oils**  
**Outstanding durability**

Zertona Alloy Guardian is a ready-to-use, ambient cured, low surface energy surface coating, providing a permanent, clear, corrosion resistant finish for alloys wheels to prevent the pitting and adhesion of hot brake dust onto the rim.

Bare alloy or lacquered rims can quickly become stained with brown brake dust. This dust can be hot, and bake itself into the rim. This leaves a brown, corrosion like stain. Alloy guardian is designed to prevent this, and assist with easy-clean of the wheels.

Chemically, Alloy Guardian is a SiO<sub>2</sub> / Organo-silane hybrid coating. It mechanically locks into the surface of the rim, and cures to a very low energy, high temperature resistant coating. Once cured it is very inert and is both hydrophobic and oleo-phobic.

Appearance:	Clear liquid
% Resin:	23.7 wt%
Density as a liquid:	0.904 g/mL
Flashpoint:	> 82°C
Hardness:	6H (ASTM D3363)
Adhesion:	90-100% (ASTM D3359)
Gloss:	86 (+/-) 3GU @ 60 degrees

Drying times:	
To touch:	2 hours
To full cure:	1 day

Film thickness:	10 (+/- 3) micrometers
-----------------	------------------------

Application is simple. Alloy guardian is applied by hand using a lint-free cloth directly onto a clean dry rim and cures to touch in 2 hours, and to full hardness in 24 hours.



Brought to you by:  
Mach Accessories (S) Pte Ltd  
Blk 24, Depot Lane, #01-05A, Singapore 109767  
Contact : (65) 6278 9397 email : [sales@mach.com.sg](mailto:sales@mach.com.sg)  
 Mach Accessories-Singapore Pte Ltd

