

Stand: Januar 2024

Released: J.Volkmer



APPEREANCE STANDARD

for MOTEC Tuning Wheels

Introduction/Purpose

The MOTEC surface standard describes possible surface defects in size, number and their assessment.

Aluminum rims are industrial products and therefore small irregularities may occur during the manufacturing process, but these are unavoidable due to the manufacturing process. These can occur, for example, in the form of minimal color differences, small bumps, inclusions, or even small scratches (especially on the inner rim flange). It is important to note that these irregularities do not affect the performance or safety of the alloy wheels.

Test conditions

The visual inspection must be carried out at a distance of approx. 60-80cm and is carried out under daylight or a suitable light source with at least 1,000 lux

Sample Photos

The following link/QR code leads to example photos where you can see which irregularities are still acceptable and which are no longer acceptable.

<https://oberflaechenstandard.motec-wheels.de/>



Hassloch, January 2nd, 2024

A handwritten signature in black ink, appearing to read 'J. Volkmer'.

Juergen Volkmer

APPEREANCE STANDARD

for MOTEC Tuning Wheels



Wheel aera	Designation
Area A	Design / Front aera
Aera B	Window Aera
Aera C	Rim well outside

Area A						
Paint Inclusions		Casting failure/porosity		Scratches/Hair lint		Distance
Number	Size	Number	Size	Number	Size	minimum
3	max. 0,8	2	max. 1,0	1	max. 5 mm	120 mm
Area B						
Paint Inclusions		Casting failure/porosity		Scratches/Hair lint		Distance
Number	Size	Number	Size	Number	Size	minimum
2	max.1,5	2	max. 1,0	2	max. 5 mm	120 mm
Area C						
Paint Inclusions		Casting failure/porosity		Scratches/Hair lint		Distance
Number	Size	Number	Size	Number	Size	minimum
3	max. 2,0	3	max. 1,0	3	max. 5 mm	100 mm

Area C1						
Paint Inclusions		Casting failure/porosity		Scratches/Hair lint		Distance
Number	Size	Number	Size	Number	Size	minimum
3	max. 1,0	3	max. 1,0	1	max. 5 mm	100mm
Area D						
Paint Inclusions		Casting failure/porosity		Scratches/Hair lint		Distance
Number	Size	Number	Size	Number	Size	minimum
3	max. 1,0	3	max. 1,0	5	max. 5 mm	100mm
Area E						
The valve hole must be free of burrs						