

LAMINATED ENAMELS FOR
AUTOMOTIVE GLASS



TORRECID

GLASSdivision

As producers of pigments and frits, Torrecid Group is able to provide our clients the greatest differentiation by offering them customized and innovative solutions.

Our whole solution for automotive glass enamels (Pb free) has been developed to reach all the aesthetic and technical specifications of automotive OEM and after-market industries following the ISO 9001 quality standards.

Our wide range of enamels for the laminating process has been developed to reach the technical and safety demands of the automotive market.

L A M I N A T I N G A P P L I C A T I O N S

| SERIE | SURFACE | T° RANGE | SULPHURIC ACID TEST | FINAL SURFACE | SILVER HIDING | DESCRIPTION OF THE PRODUCT |
|----------|---------------|-------------|---------------------|---------------|---------------|---|
| AULP8000 | FACE 4 | 550°C-620°C | 0 H | GLOSSY | X | BISMUTH FREE SOLUTION WITH WIDE TEMPERATURE RANGE |
| AULP8101 | FACE 4 | 550°C-640°C | 4 H | SEMI-MATT | X | WIDE TEMPERATURE RANGE WITH ANTISTICKING PROPERTIES AND LOW CHEMICAL RESISTANCE |
| AULP8002 | FACE 2 | 550°C-600°C | 4 H | SEMI-MATT | X | SOLUTION FOR FACE 2 APPLICATIONS WITH PRE-FIRING |
| AULP8202 | FACE 2/FACE 4 | 580°C-620°C | 72 H | MATT | X | HIGH CHEMICAL RESISTANCE WITH EXCELLENT ANTISTICKING PROPERTIES FOR LOW FIRING TEMPERATURES |
| AULP8201 | FACE 2/FACE 4 | 620°C-660°C | 72 H | MATT | X | HIGH CHEMICAL RESISTANCE WITH ANTISTICKING PROPERTIES FOR HIGH FIRING TEMPERATURES |
| AULP8203 | FACE 2/FACE 4 | 580°C-620°C | 72 H | MATT | ✓ | SOLUTION WITH SILVER HIDING PROPERTIES, HIGH CHEMICAL RESISTANCE WITH EXCELLENT ANTISTICKING PROPERTIES FOR LOW TEMPERATURE RANGE |
| AULP8203 | FACE 2/FACE 4 | 620°C-660°C | 72 H | MATT | ✓ | SOLUTION WITH SILVER HIDING PROPERTIES, HIGH CHEMICAL RESISTANCE & EXCELLENT ANTISTICKING |

[*] ALL THE DATA IS BASED ON LABORATORY FURNACE CONDITIONS AND SHOULD BE USED FOR COMPARATIVE PURPOSES ONLY
ALL THE PAINTS IN THE TABLE ABOVE ARE WATERFRIENDLY, THERE ARE AVAILABLE VERSIONS FOR HIGH GREEN STRENGTH DEMANDS

STYLECID



Pigments as listed in the attached brochure and manufactured by Torrecid Group are in compliance with the requirements of EN 12878:2005 and fulfill the conditions for CE Labelling acc. to annex ZA of this standard with registration No. 1170/CPR/PG.03710

TEMPERING ENAMELS FOR
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Our wide range of enamels for the tempering process has been developed to reach the technical and safety demands of the automotive market.

TEMPERED APPLICATIONS

| SERIE | T° RANGE | SULPHURIC ACID TEST | FINAL SURFACE | SILVER HIDING | DESCRIPTION OF THE PRODUCT |
|----------|-------------|---------------------|---------------|---------------|--|
| AUTP8100 | 650°C-700°C | 24 H | GLOSSY | X | BISMUTH FREE SOLUTION FOR HIGH OPTICAL DENSITY WITH HIGH COLOR STABILITY |
| AUTP8200 | 650°C-700°C | 72 H | GLOSSY | X | HIGH CHEMICAL DURABILITY WITH A WIDE RANGE OF TEMPERATURE |
| AUTP8102 | 650°C-700°C | 72 H | MATT | ✓ | HIGH CHEMICAL RESISTANCE WITH AN EXCELLENT ANTISTICKING PROPERTIES |
| AUTP8203 | 650°C-680°C | 72 H | MATT | ✓ | SILVER HIDING SOLUTION FOR LOW FIRING TEMPERATURE WITH HIGH OPTICAL DENSITY & ANTISTICKING PROPERTIES |
| AUTP8203 | 680°C-710°C | 72 H | MATT | ✓ | SILVER HIDING SOLUTION FOR HIGH FIRING TEMPERATURE WITH HIGH OPTICAL DENSITY & ANTISTICKING PROPERTIES |

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