

# HOLLOW GLASS SOLUTIONS

GLASS ENAMELS FOR THE HOLLOW GLASS MARKET



TORRECID

# HOLLOW GLASS

SERIE	MARKET SEGMENT	MEDIUM TYPE	LEAD FREE	FIRING RANGE	CHEMICAL RESISTANCE
HGPST0001	SINGLE TRIP BOTTLES	THERMOPLASTIC	YES	[600-620]°C	ACID:7 ALKALI:5
HGPMT0001	MULTI TRIP BOTTLES	THERMOPLASTIC	YES	[620-640]°C	ACID:5 ALKALI:4

## CHEMICAL RESISTANCE

### ACID RESISTANCE

3.7% HCl, 15 minutes at room temperature  
 10% Citric acid, 15 minutes at room temperature  
 10% Acetic acid, 15 minutes at room temperature  
 ASSESSMENT ACCORDING TO ASTM 724-91

### ALKALI RESISTANCE

10% NaOH, 2 hours at 88°C  
 ASSESSMENT ACCORDING TO ASTM 724-91

Torrecid is a Family & Green Company aware of the need to take care of our planet. Our lead free solution has been developed to offer a sustainable alternative for hollow glass applications.

RAL9003

RAL9017

RAL3020

RAL5002

RAL6032

RAL1016

RAL1006

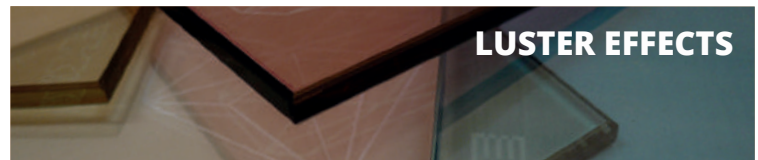
# STYLECID

## PRECIOUS METALS

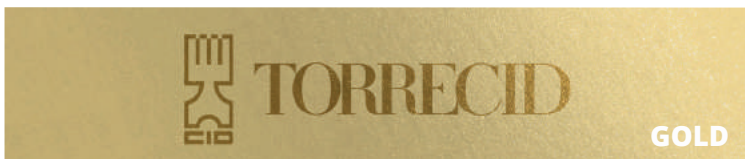
EFFECT	APPLICATION			
	DIRECT PRINTING	DECAL PRINTING	BRUSH	DIGITAL
COPPER	DIRECT PRINTING	DECAL PRINTING	BRUSH	DIGITAL
LUSTER	DIRECT PRINTING	DECAL PRINTING	BRUSH	DIGITAL
GOLD	DIRECT PRINTING	DECAL PRINTING	BRUSH	DIGITAL
PLATINUM	DIRECT PRINTING	DECAL PRINTING	BRUSH	DIGITAL



COPPER



LUSTER EFFECTS



GOLD



PLATINUM

[www.torrecid.com](http://www.torrecid.com)



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