

## Product data sheet

**BALVER ZINN<sup>®</sup>**  
**COBAR<sup>®</sup>**

**Product** 390-RX-HT  
**Date** 2015.03.26  
**Release** 15.1  
**Language** English

### General wave soldering flux

Legend	
5	<i>Especially made for this purpose</i>
4	<i>Generally qualified for this purpose</i>
3	<i>Generally usable, but not the best choice</i>
2	<i>Generally not usable for this purpose</i>
1	<i>Wrong choice</i>

Flux code	Summary
390-RX-HT	VOC -- High reliability synthetic flux (automotive) - - high SIR -- field proven records

FLUX CODE	390-RX-HT
<b>PROCESS</b>	
No-Clean process	5
Post-solder cleaning	2
<b>INDUSTRY APPLICATION</b>	
Consumer electronics	3
Standard industrial electronics	5
Hi-Rel electronics (automotive)	5
<b>PCB CAPABILITY</b>	
1-layer, video/tv boards	2
2-layer boards	5
Multi-layer boards	5
OSP compatible	4
Ni/Au compatible	5
ImAg compatible	4
ImSn compatible	5
<b>PROCESS CAPABILITY</b>	
Foam fluxing	4
Nozzle spray fluxing	5
Moderate preheat	5
Short contact time	5
Pb-free process Ambient	4
Pb-free process N2 wave	5
Pb-free process N2 Tunnel	5
Reduces skipped joints	4
Reduces solderballing	4
Reduces bridging	4
Improves TH filling	5+
Cosmetic cleanliness	4
Cosmetic cleanliness N2	4
Brilliant joint appearance	3
ICCT compatible	4
Conformal coating	5
<b>SAFETY</b>	
Ionic Contamination	4
No corrosion	4
High SIR	5

CLASSIFICATION	
ISO 9454-1	1.2.3.A
IPC-J-STD-004	RELO

PROPERTIES	
Density @20°C [kg/dm <sup>3</sup> ] (+/-0,5%)	0,813
Solid content [% w/w]	2,2
Acid number [mg KOH] +/- 2.5%	15,8
Water content [% w/w]	5
VOC content [% w/w]	92
Filmformer(s)	Synthetic
Color	Colorless
Odor	Alcoholic
Flashpoint COC [drg c]	13
Thinners	425-00

TEST REPORTS	
Telcordia GR-78-CORE	Qualified
Certificate of Compliance	Available
SPC-data	Auditable
Application Note	GB/DE

PACKAGING AND STORAGE	
Packaging can (HDPE) [liter]	10
Packaging Drum (HDPE) [liter]	200
<b>Recommended shelf-life in months</b>	
Storage temperature 20 - 25 [°C]	24

Check material compatibility with every process change!  
Industrial chemical product.  
Read MSDS before use.

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