

## Product data sheet

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

**Product** 396-DRX-M+  
**Date** 2014.05.01  
**Release** 14.1  
**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
396-DRX-M+	VOC-free -- General wave flux -- Ultra low residues -- reduces bridging

FLUX CODE	396-DRX-M+
<b>PROCESS</b>	
No-Clean process	5
Post-solder cleaning	4
<b>INDUSTRY APPLICATION</b>	
Consumer electronics	4
Standard industrial electronics	5
Hi-Rel electronics (automotive)	2
<b>PCB CAPABILITY</b>	
1-layer, video/tv boards	4
2-layer boards	5
Multi-layer boards	5
OSP compatible	5
Ni/Au compatible	5
ImAg compatible	5
ImSn compatible	5
<b>PROCESS CAPABILITY</b>	
Foam fluxing	2
Nozzle spray fluxing	5
Moderate preheat	3
Short contact time	5
Pb-free process Ambient	5
Pb-free process N2 wave	5
Pb-free process N2 Tunnel	4
Reduces skipped joints	5
Reduces solderballing	4
Reduces bridging	5
Improves TH filling	5
Cosmetic cleanliness	4
Cosmetic cleanliness N2	5
Brilliant joint appearance	4
ICCT compatible	5
Conformal coating	TBD
<b>SAFETY</b>	
Ionic Contamination	N/A
No corrosion	3
High SIR	4

CLASSIFICATION	
ISO 9454-1	2.1.3.A
IPC-J-STD-004	ORL0

PROPERTIES	
Density @20°C [kg/dm <sup>3</sup> ] (+/-0,5%)	1,008
Solid content [% w/w]	3,4
Acid number [mg KOH] +/- 2.5%	27,65
Water content [% w/w]	96
VOC content [% w/w]	0
Filmformer(s)	Organic
Color	Colorless
Odor	none
Flashpoint COC [drg c]	None
Thinners	Di-water

TEST REPORTS	
Telcordia GR-78-CORE	Compliant
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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