

Product Data Sheet

BALVER ZINN[®]
COBAR[®]

Product **FLUX SEL** Selective soldering flux
Date 14-12-11
Release 11.01

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
327-SEL	High rel flux, no corrosion, safe residues, ROL0
385-SEL	High rel flux, high SIR values, safe residues, REL0
94-SEL	High-std. rel flux, high SIR, good sold. Performance
95-SEL	Mid-rel flux, good sold performance

FLUX CODE	327-SEL	385-SEL	94-SEL	95-SEL
PROCESS				
No-Clean process	5			
Post-solder cleaning	4	3		
INDUSTRY APPLICATION				
Consumer electronics	3			4
Standard industrial electronics	4		5	
Hi-Rel electronics (automotive)	5			2
PCB CAPABILITY				
1-layer, video/tv boards	3			4
2-layer boards	5	4	5	
Multi-layer boards	5			
OSP compatible	5			
Ni/Au compatible	5			
Ag/Pd compatible	4			
Ni/Pd compatible	5			
ImAg compatible	4			
ImSn compatible	5			
PROCESS CAPABILITY				
Dip soldering	4	3	4	5
Drag soldering	5	4	5	
Drop jet fluxing	4	5		
High preheat compatible	5	3	5	
High soldering temp compatible	5	3	5	
Long contact time compatible	5	3	4	5
Reduces spreading of flux	3		4	5
Reduces solderballs	4		5	4
Reduces bridging	4			5
Improves TH filling	4			5
Brilliant joint appearance	5			
Cosmetic cleanliness	3	5	4	3
ICCT compatible	3	5		4
Conformal coating	5			4
SAFETY				
No corrosion	5	4		3
High SIR	4	5	4	3

FLUX CODE	327-SEL	385-SEL	94-SEL	95-SEL
ISO 9454-1	1.1.3.A	1.2.3.A		
IPC-ANSI-J-STD-004	ROL0	REL0		
PROPERTIES				
Density	0.840	0.804	0.848	0.900
Solid content	4.94	1.91	2.57	1.80
Acid number [mg KOH] +/- 2.5%	19.70	18.75	13.85	15.90
Water content [% w/w]	5	1	21	40
VOC content [% w/w]	90.00	94.00	75.80	58.00
Filmformer(s)	Rosin	Resin		
Color	Colorless			
Flashpoint COC [drg c]	13.5	11.9	16.5	19.3
Thinners	425-00			308-00
TEST REPORTS				
Bellcore TR-NWT-000078/3	compliant			
Certificate of Compliance	website			
SPC-data	auditable			
User's Guidelines	english			
PACKAGING AND STORAGE				
Packaging bottle (HDPE) [liter]	1			
Packaging can (HDPE) [liter]	5			
Packaging can (HDPE) [liter]	10			
Recommended shelf-life in weeks				
Storage temperature [°C]	20	52	40	52
Storage temperature [°C]	25	40	35	40

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

Disclaimer:

The information given in this publication has been worked up to the best of the knowledge of Cobar as well as taking into consideration the applicable laws and regulations. We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.