

Product Data Sheet

BALVER ZINN®

323-ITM

Rev: 16.1

Date 2025.09.02

Language English

SDS 950328



Summary

323-ITM is a ROL1 classified, alcohol-based flux for wave soldering and is based on natural resins.

Flux code	323-ITM
PROCESS	
No-Clean process	9
Post-solder cleaning	8

INDUSTRY APPLICATION	
Standard electronics	9
Industrial electronics	9
Hi-Rel electronics (automotive)	8

PROCESS CAPABILITY	
Foam fluxing	9
Spray fluxing	9
Short preheat	9
Short contact time	9
Pb-free process Air	9
Pb-free process N2 wave	9
Pb-free process N2 tunnel	6
Skipped joints	9
Solderballing	8
Bridging	9
Promotes wicking	8
PTH filling	9
Cosmetic cleanliness	6
Cosmetic cleanliness N2	7
Shiny joint appearance	8
Pin testability	8
Conformal coating (see AN)	6

Legend	
<i>Especially made for this purpose</i>	9 - 10
<i>Generally qualified for this purpose</i>	7 - 8
<i>Generally usable, but not the best choice</i>	5 - 6
<i>Generally not usable for this purpose</i>	3 - 4
<i>Wrong choice</i>	1 - 2

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

Disclaimer:

This information is intended as advice to the best of our knowledge. The provided data is based on our own measurements, they do not provide any guaranteed properties nor are these delivery specifications. Due to the versatility of materials, applications and taking in consideration the industrial property rights of third parties, Balver Zinn Josef Jost GmbH & Co. KG cannot take any liability.

CLASSIFICATION

DIN EN ISO 9454-1: 2016	1222
IPC-J-STD-004-A: 2004	ROL1

PROPERTIES

Density	@ 20°C [kg/dm³]	0.82
Solid content	[% w/w]	3.8
Acid number	[mg KOH/g]	22.0
Water content	[% w/w]	7
VOC content	[% w/w]	Remainder
Filmformer(s)		Rosin
Color		Colorless
Odor		Alcoholic
Flashpoint COC	[°C]	13
Thinners		308-00

TEST REPORTS

Certificate of Compliance		Website
Application Note		EN/DE
Copper Mirror	IPC-TM-650 2.3.32	Pass
Halides	IPC-TM-650 2.3.33	[Silver Chromate] Pass
Halide	IPC-TM-650 2.3.35.1	[Fluoride by Spot] Pass
Copper Corrosion	IPC-TM-650 2.6.15	Pass
SIR	IPC-TM-650 2.6.3.3	Pass
ECM	IPC-TM-650 2.6.14.1	N/A

PACKAGING AND STORAGE

Packaging can	(HDPE) [liter]	10
Packaging Drum	(HDPE) [liter]	200
Shelf-life in months	20-25 °C	9