VITROBRAZE
VZ2187

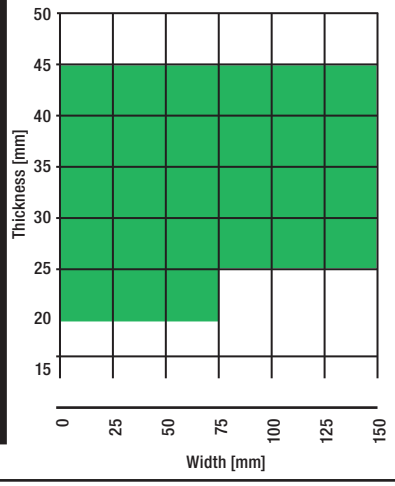
Nominal composition (wt.%)

Ni	**Cr**	**Mo**	**Si**	**B**	Fe	Co	C	S	Al	Ti	Zr
Balance (74.2)	13.5	4.0	7.3	1.0	≤ 1.0	≤ 0.1	≤ 0.06	≤ 0.02	≤ 0.05	≤ 0.05	≤ 0.05

Physical properties

Property	**Unit**	**Value**
Density (amorphous)	g/cm³ (lb/in³)	7.82 (0.276)
Solidus temperature	°C (°F)	1050 (1922)
Liquidus temperature	°C (°F)	1125 (2060)
Recommended brazing temperature	°C (°F)	1150 – 1200 (2100 – 2200)

Available foil geometry



Technological properties

Brazing conditions The brazing process has to be carried out in a vacuum or protective atmosphere like argon or pure dry hydrogen.

Corrosion resistance Very good

Field of application Joining of stainless steels, nickel and cobalt alloys and some special metals and their alloys. Can be used for drinking water applications, where low nickel leaching rates are desired.

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