

# VITROBRAZE®

# VZ2111

## Specifications

DIN EN ISO 17672	AWS A5.8	AMS	MSRR 9500
Ni 610*	BNi-1a*	4776*	-705

\* foil alternative

## Nominal composition (wt.%)

Ni	Fe	Cr	Si	B	C	P	Co	Al	S	Ti	Zr	Se
Balance (75.5)	4.2	13	4.5	2.8	≤0.06	≤0.02	≤0.3	≤0.05	≤0.02	≤0.05	≤0.05	≤0.005

## Physical properties

Property	Unit	Value	Available foil geometry
Density (amorphous)	g/cm <sup>3</sup> (lb/in <sup>3</sup> )	7.73 (0.278)	
Solidus temperature	°C (°F)	970 (1780)	
Liquidus temperature	°C (°F)	1100 (2015)	
Recommended brazing temperature	°C (°F)	1130 – 1200 (2065 – 2190)	

## Technological properties

<b>Brazing conditions</b>	The brazing process has to be carried out in a vacuum or protective atmosphere like argon or pure dry hydrogen.
<b>Corrosion resistance</b>	Very good
<b>Field of application</b>	Joining of steel and stainless steel, nickel and cobalt alloys and some special metals and their alloys.

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