

## TitaniumAlloy T-40Ti-Active

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### Description

Aufhauser **TitaniumAlloy T-40Ti-Active** provides good wetting on titanium, titanium alloys, and super alloys. It is used in a high vacuum or dry argon atmosphere. Due to its high titanium content this alloy exhibits better corrosion resistance.

### Application

Brazing of thermal transfer products (fin-plate and tube bundle heat exchangers).

### Nominal Composition

Element	wt. %
<b>Ti</b>	39 - 41
<b>Zr</b>	19 - 21
<b>Ni</b>	19 - 21
<b>Cu</b>	19 - 21
<b>Mo</b>	0.1 max
<b>Hf</b>	0.1 max
<b>Fe</b>	0.08 max
<b>Al</b>	0.05 max
<b>O</b>	0.20 max
<b>N</b>	0.03 max
<b>C</b>	0.04 max

### Physical Properties

<b>Liquidus temperature</b>	1573°F (856°C)
<b>Solidus temperature</b>	1558°F (848°C)
<b>Brazing temperature range</b>	1600 - 1650°F (857 - 900°C)
<b>Density</b>	3.21 toz/in <sup>3</sup> (6.09 g/cm <sup>3</sup> )

### Specification

AWS A5.8 BTi-5

### Available forms

Powder, paste, foil