



Vitta Braz-Stop Materials

Classification	Parting Compounds	Issued July 2019 Revision 1.0
Overview	<p>Vitta 1AL and 1YT Braz-Stop materials are parting compounds designed to prevent molten filler metal from touching and brazing base metal parts and to keep holes and cut / milled areas free from filling with molten metal.</p> <p>They can also be used to keep stacks of prefabricated parts from sticking together during heat treatment operations.</p>	
CSS156 Approved	Yes	
Available Compounds		
1AL Braz-Stop	Designed and recommended for general all-purpose use. Specially processed, finely ground, high purity material that is both chemically and thermally inert.	
1YT Braz-Stop	Specifically designed for use with titanium and titanium containing alloys. 1YT is a rare-earth composition that is both chemically and thermally inert.	
Typical Application	Can be used in vacuum furnace applications without fear of contamination of either the base or filler materials.	
Clean-up	Clean up of both 1AL and 1YT Braz-Stop can be achieved by simple brushing, air blowing or washing with a jet of water. No chemical cleaning, grinding or blasting is required.	
Forms of Supply	Paste, Tape, Pre-forms, Paint	
Braz-Stop Paste Overview	Compounded with specialised organic binders containing lower amounts of alcohol to produce a very stable and uniform paste that dries to the touch in circa 20 minutes. No periodic remixing is required with Vitta Braz-Stop pastes as separation does not occur. Binders and solvents used in the products decompose at temperatures well below the brazing / working temperature and so leave no residue in the actual Braz-Stop materials.	
Braz-Stop Paste Availability	Available in 45g syringes, 110g standard cartridges and 500g jars. Bespoke packaging available upon request.	
Braz-Stop Paste Application	Easy to apply from the syringe tip close to the joint or edge to be treated without fear of runs, no requirement for painting or runovers.	
Braz-Stop Tape Overview	The self-adhesive tape is protected with release paper. Provides a convenient, uniform thickness, no mixing, no dripping from vertical surfaces and no mess. No residue as the binders and adhesives all decompose at a temperature well below brazing / working temp.	
Braz-Stop Tape Availability	Standard rolls from 0.005" to 0.013" thick by 0.25" 0.38" and 0.50" wide and 20' long. Bespoke sizing upon request.	

Braze-Stop Tape Application	Easy to apply. Remove release paper, press in place and remove the polyethylene carrier strip.
Braz-Stop Preforms	Both 1AL and 1YT tapes preforms of bespoke thickness, diameters and wall thickness can be manufactured upon request. Protect holes from filling with molten filler metal by using self-adhesive preform washers.
1AL Braz-Stop Paint Overview	1AL paint is a viscous liquid parting compound for general brazing applications. Key features include: <ul style="list-style-type: none"> • No objectionable odour • No remixing for at least 12 hours • Water clean-up – before and after brazing • Easily thinned over a wide viscosity range • Works at temperatures over 1600C • Can also be used for Cu brazing alloys and Ag solder systems
1AL Braz-Stop Paint Application	Can be applied by brush, paint roller or dipping. Good results reported with spray-gun application following dilution. Additionally use of paint in syringe with fine needle point for precision application on intricate parts.
Braz-Stop Paint Availability	Available in 500g jars as standard. Bespoke sizing upon request.
Storage Recommendations	<ul style="list-style-type: none"> • Paste should be stored tip down in the original packaging. • Tapes, ropes and foils should be stored in their sealed bags to minimise drying.
Safety Recommendation	Please refer to the specific MSDS (Material Safety Data Sheet) – available from Vitta
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