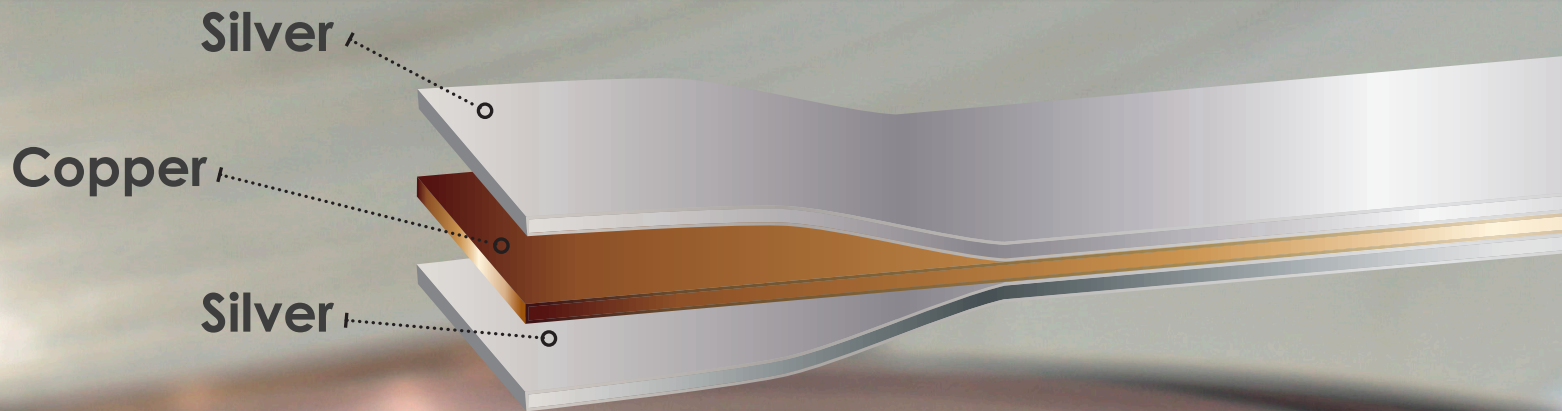


# CladTech™

Highest quality and process controlled cladded strips for carbide brazing applications.



## CladTech™

**Pietro Galliani Brazing S.p.A.** is the premiere European producer of brazing materials. Our wide range of in-house manufactured products keeps us ahead of the competition.

Brazing of carbide to steel substrates at times requires a ductile layer between the brazing alloy and the parts being brazed. **CladTech™** products with a copper layer between the brazing alloy layers are the perfect solution for absorbing the different coefficient of expansion between the carbides and the steel materials.

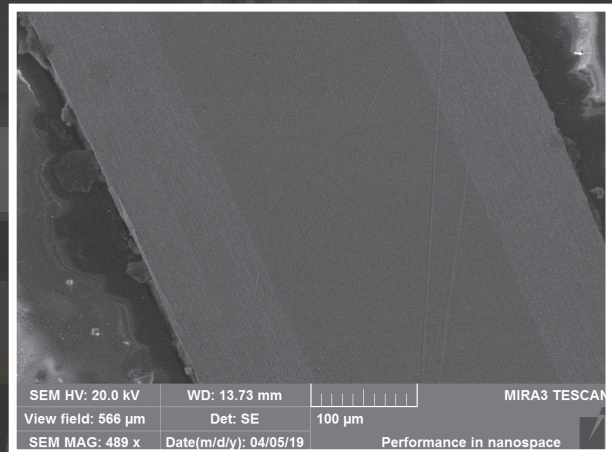
**CleanTech™ X85 pastes** work with hand in hand with **CladTech™** foils to provide perfectly brazed carbides every time.



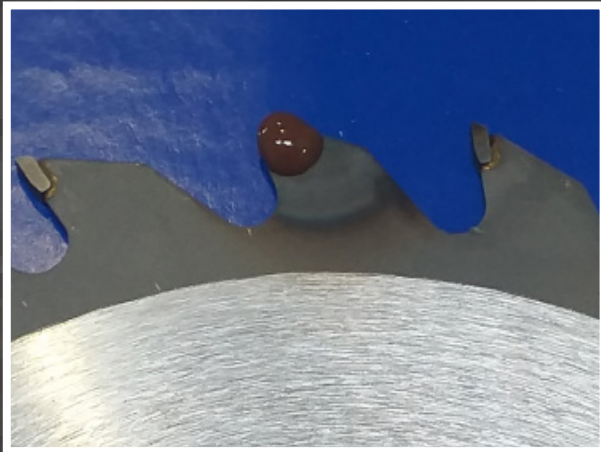
[www.pietrogallianibrazing.com](http://www.pietrogallianibrazing.com)



Typical Customer Application



SEM Analysis Demonstrates perfect bonding of the CladTech™ layers.



Application of CleanTech X85 Flux Paste



Perfectly Brazed Carbide Tool

Product	Composition%						Melting Range °C	Operating Temp. °C	Density g/cm3	Tensile Strength N/mm2	International Norms		
	Ag	Cu	Zn	Sn	Ni	Mn					AWS A5.8	EN 17672	ISO 3677
CladTech™ 38	38	26	Bal	-	3,5	7,2	680°-700°	700°	8,8	525	-	-	B-Ag38ZnCuMnNi
CladTech™ 49	49	27,5	Bal	-	0,5	2,5	670°-690°	690°	8,9	300	B-Ag-26		B-Ag49CuZnMnNi
CladTech™ 50	50	20	28	-	2	-	660°-705°	690°	9	450	B-Ag-24	Ag 450	B-Ag50ZnCuMnNi

Product	Activity Range C°	AWS-5.31	EN 1045	Description
<b>Standard Fluxes</b>				
GalFlux UWR PW/PS	500-800	FB3-F	FH 10	High Temperature Flux for Brazing Tools
GalFlux UW PS/AF	550-800	FB3-F	FH 10	High temperature Flux for Brazing Tools in White Paste
GalFlux UB PS/AF	550-800	FB3-C	FH 12	High temperature Flux for Brazing Tools in Brown Paste
GalFlux Bronze PW	800-1000	FB3-J	FH 21	High temperature Standard Flux for Brass
<b>CleanTech™ Series Fluxes</b>				
CleanTech™ SHT PW /PS/AF	450-800	FB3-F	FH 10	Medium temperature Non-toxic Flux
CleanTech™ XHT PW /PS/AF	500-850	FB3-F	FH 10	High temperature Non-toxic Flux
CleanTech™ X85 PS/AF	500-990	FB3-C	FH 10	Non-toxic Brown Flux for Tool Production for Dispensers
CleanTech™ Bronze PW /PS/AF	800-1000	FB3-J	FH 21	High temperature Non-toxic Flux for Brass

PIETRO GALLIANI BRAZING S.p.A.  
 Via Molino Malpasso, 65 - 40038 Vergato (BO) Italy  
 Phone +39 051 910061- Fax +39 051 7417223  
 email: info@pietrogallianibrazing.com

