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BC-28 One-Hour Cure Armature Balancing Putty

DESCRIPTION:

BC-28 is a two-part epoxy balancing compound for use in weight addition balancing of electric motor armatures. **BC-28** has a smooth, fibrous, putty-like consistency, which keeps the compound from migrating during the balancing process. The two parts of the putty, parts A and B, are mixed 1:1 by volume or by weight. The Blue Part A and the Yellow Part B are easily mixed by hand until the color is a consistent Green. The **BC-28** may then be placed on the motor armature as indicated until the armature is in balance. The working life of the mixed **BC-28** is less than 1 hour depending upon mass and temperature. Overnight, **BC-28** cures to a solid, which resists moisture and solvents. Mixed material can be frozen to slow cure during an 8 hour period. This product may contain fillers that may settle over time. Product may need to be stirred before using. Customer must determine suitability of product before using.

BC-28 is in compliance with European Directive 2002/95/EC on the reduction of hazardous substances.

PERFORMANCE PROPERTIES:

Working Life:	~1 hour
Cured Shore D Hardness:	85 typical
Cure Time:	Overnight
Lap Shear to CRS:	1000 psi typical
Tensile Strength:	1700 psi typical
Compression:	6000 psi typical
Weight Change upon Cure:	<0.02%

Spin Testing: Compound was fully cured on the insulated copper windings of a 4.5 cm diameter motor armature. The armature is then spun at 375°F at 8,000 rpm. The test is denoted passing. There was no separation of the material to the windings.

TYPICAL PROPERTIES:

Part A:			
Specific Gravity:	2.5	Mix Ratio:	
Color:	Blue Putty	By Weight:	1:1
		By Volume:	1:1
Part B:		Shelf Life:	
Specific Gravity:	2.5	Part A:	6 months in sealed container
Color:	Yellow Putty	Part B:	3 months in sealed container
Mixed Product:			
Specific Gravity:	2.5		
Color:	Green Putty		

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