



- TECHNICAL DATA SHEET -

DOLPHON CV-1108 EPOXY BALANCING PASTE

DESCRIPTION

DOLPHON CV-1108 is a two components product (Base A and Base B) specifically formulated for balancing the rotors of electric motors.

It has an excellent adhesion to the metal surfaces, it withstands severe mechanical conditions and can be machined together with the materials to which it is bonded.
It does not contain any lead compound.

CHARACTERISTICS

Physical properties	Base A	Base B	Mix 1:1
Appearance	Yellow paste	Blue paste	Green paste
Specific gravity	2350 ±100 g./l.	2300±100 g./l.	
Cone penetration (ASTM D-217)	80-90	110-120	95-105
Mixing ratio	100 p.b.w. 100 p.b.v.	100 p.b.w. 100 p.b.v.	
Pot-life			4h.

Final properties after curing 12h. at 25°C + 2h. at 80°C

Property	Method	Values
Hardness, Shore "D"	ASTM D-676	75-85
Volume resistivity (Ω/cm.)	ASTM D-257	4,5 – 6,5 x 10 ¹⁴
Surface resistivity (Ω/cm.)	ASTM D-257	8 x 10 ¹⁴
Dielectric strength (KV/cm.)	IEC-243	180-200

APPLICATION

Mixing

Mix equal parts 1:1 (by weight or by volume) of Base A and Base B. The compound cures perfectly even if the mix ratio between the two components is slightly different (± 10%)
Mix carefully the two components with a spatula until you obtain a uniform green mixture.

Pot life

The mixture A + B has a pot life of 4 h. at 25°C.



Use

The material is applied by spatula or manually, and pressed on the windings close to the slot area. The units can be immediately rotated to verify the balancing, as the balancing paste will not move.

Curing

The paste starts curing after 4 h. at room temperature, and cures completely in 18h. at room temperature (25°C).

NOTE: DOLPHON CV-1108 polymerizes in a wide range of temperatures (15-80°C). The time needed for reaching its final properties are depending on the external temperature. The full polymerization can be reached through a gelling at room temp. followed by a post-curing at 70-80°C for 2h. Low temperatures will considerably lengthen the curing time.

Warnings

DOLPHON CV-1108 tends to harden during the storage. Store in a cool, dry place and use it within 36 months.

Warning: all the information and application instructions concerning this product are based on technical specifications that we consider reliable, and are provided by way of example, according to our application experience. They do not establish any guarantee but only represent a starting point subject to alterations, according to the application and the kind of material to be treated. Before the product's use the user must determine the suitability for the intended use undertaking all risks and responsibility for whatever may happen in connection with the application. The producer and/or seller will not be considered responsible for any accident, loss or damage (immediate or consequent) originating from the use and/or the inability to use the concerned product. Albesiano Sisa Vernici srl reserves the right to change or modify at any time and without any notice the technical specifications of the product described in this data sheet.

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