

PERMACOL 2032X1-SERIES

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The PERMACOL 2032X1-series are smooth, thixotropic, one component adhesives on epoxy base for SMT purposes. Adhesives of the PERMACOL 203X1-series can be applied, dispensed or screen printed, without stringing and will not sag whilst curing. These thixotropic adhesives hold electronic components in position and prevent movement due to vibration even before curing.

The cured adhesive has excellent electric properties and heat resistance during soldering.

In the PERMACOL 2032X1-series, we supply adhesives in different viscosities, adjusted to the method applied or type of electronic component to bond. These viscosities assigned by the extensions /5, /15 and /25.

PERMACOL VISCOSITY TYPE	MAIN APPLICATION
2032X1/5 W (white)	Universal SMD-adhesive. Dispensing
2032X1/15W (white)	Dispensable adhesive for larger components, Stencil printing.
2032X1/25W (white)	SMD-adhesive for stencil printing

	2032X1/5W	2032X1/15W	2032X1/25W
Wet strength	650 Pa.	1.150 Pa.	1350 Pa.
Viscosity at D=30/s	35 Pa.sec.	50 Pa.sec.	65 Pa.sec.

It must be clear that the curing time depends on several parameters. Oven capacity, board design, type of components on Printed Circuit Board, and type of Printed Circuit Board (multilayers have higher heat capacity) can influence the cure speed.

SURFACE TEMPERATURE	MINIMUM HEATING TIME
110°C	10 minutes
125°C	6 minutes
150°C	3 minuts

STORAGE

PERMACOL SMD are storable in the refrigerator at 5°C. for 2 months. Storage in the freezer will extend the shelf life up to 6 months. Refrigerated adhesives must be allowed to reach room temperature before use.

CLEANING:

At room temperature, the remaining uncured adhesive can be removed and cleaned by means of solvents as Ethanol, Acetone, Isopropylalcohol (IPA), or gamma-Butyrolactone (PC66).

Cured adhesives must be removed mechanically. To avoid damage of components and/or PCB, it is advised to heat up the adhesive or bond over 100°C (over the softening point of the adhesive). At this temperature, the adhesive dot will be soft and the component can easily be removed by means of torsion.

PACKAGING

The PERMACOL 2032X1-series can be supplied bubble free in all dispenser-specific syringes, tins, pots, and Euro cartridges.

HANDLING AND SAFETY PRECAUTIONS:

The PERMACOL 2032X1-series is for industrial purposes only. Read Material Safety Data Sheets (MSDS) prior to using product. Avoid contact with eyes, skin or clothing because this material may cause eye irritation, skin irritation or allergic skin reaction if prolonged or repeated exposure is present, and is harmful if inhaled or swallowed. Wear eye protection and impervious gloves when handling, keep container closed when not in use.

EN – Legal Disclaimer

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