

UV Adhesives

TECHNICAL DATA SHEET

UV 800

WIKO UV 800 is a one-component, solvent-free adhesive based on modified acrylate resin.

Trading Units	Item no.:
50ml bottle	UV800.F50
250ml bottle	UV800.F250
1000ml bottle	UV800.F1000



Physical Properties (Liquid state)

Chemical characterisation:	Modified acrylate	
Curing system:	Cures in UV light	
Colour:	Clear	
Viscosity (Brookfield):	Approx. 800 mPas	
Density:	Approx. $1,1 \times 10^3 \text{ kg/m}^3$	(DIN 51757)

Stabilities in Cured State

Tensile strength:	39 N/mm ²	(DIN 53504)
Ultimate elongation:	7 %	(DIN 53504)
Shear strength		
glass/glass:	33 N/mm ²	
glass/al:	24 N/mm ²	
Surface after curing:	Slightly sticky	
Shore Hardness A:	Unknown	(DIN 53505)
Shore Hardness D:	Unknown	(DIN 53505)
Temperature range:	-60°C up to +150°C	

Curing

WIKO UV 800 cures in UV light with a wavelength range of 300 – 400 nm. The adhesive cures completely after sufficient exposure to light. The curing parameters are dependent on the thickness and the absorbent capacity of the materials, the adhesive layer thickness, type of ultraviolet lamp as well as distance between UV lamp and adhesive.

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Application

WIKO UV 800, due to its medium viscosity formulation, its good optical characteristics as well as its good adhesion to glass, metals and plastics, is especially suited to bond most diverse materials without bubble formation. The adhesive features an excellent resistance to most diverse chemicals. It is applied on the designated surfaces, afterwards the components are attached and the adhesive is exposed. The curing mechanism allows a positioning of the components shortly after the applying, however before the exposure. The good interlacing characteristics of the adhesive enable a temperature-resistant connection.

Instructions

WIKO UV 800 is ready for use in its delivery state and can be applied either in its original trading unit or with suited dispensing systems. The surfaces to be adhered should be dry and free of dust and grease as well as other impurities.

Safety Advices

Adhesive is irritating to eyes, respiratory organs and skin. In case of contact, immediately wash eyes thoroughly with plenty of water and seek medical advice immediately. In case of contact with the skin, wash skin immediately with plenty of water and soap.

Shelf Life

If stored at a temperature between 10°C and 23°C, the shelf life of the product in its unopened original packaging is at least 6 months.

The information contained in this data sheet, especially the suggestions for processing and application of products, is based on our experience and newest expertise. Due to the facts that materials can be very diverse and that we have no influence on the working conditions, we recommend to perform sufficient tests to validate the compatibility of the products. Our company shall neither be held liable for this information nor for a verbal or written consultation. Additionally, please consider the information of our safety data sheets.