

T-E-Klebetchnik

Anwendungs-, Verfahrens- und Dosiertechnik

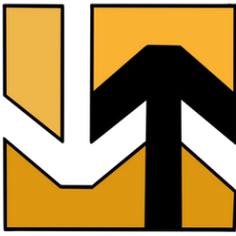
Adhesive technology terms

Curing / setting	Solidify the adhesive layer by physical or chemical reaction
Flash off time	Time required for the solvent components to evaporate or to vaporize
Adhesion	The adhesive forces of one object to another substrate e.g. adhesive to metal
Solids	Also solid-content, all non-volatile parts in the adhesive
Flash Point	Designation of an evaporation process of a substance, e.g. solvent. This creates a flammable air-gas mixture, e.g. acetone at -18°C or diesel oil at + 55°C
Hardener	Hardener or accelerator. Additive to give the base material a desired reactivity
Resin	Base of reactive adhesive
Bonding	Connect two objects with the help of an adhesive so that they function as one object
Adhesive surface	The geometric surface of a part or object to be bonded

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Adhesive joint	The space between two adhesive surfaces, which is filled by the adhesive layer
Adhesive	Chemical material that connects substrates by adhesion or cohesion
Adhesive film	Adhesive film applied to a surface liquid or solid (transfer tape)
Adhesive layer	Layer between two parts to be joined (monomeric or polymeric)
Adhesive range	The adhesive range indicates the time after which the application can be used for the adhesive. (Not to be mistaken with flash off time)
Cohesion	The inherent strength of a body
Consistency	External physical state of a substance, e.g. thin, viscous, etc. Not to be mistaken with viscosity
Contact adhesive	Both parts to be joined are coated with adhesive. After the flash off time has elapsed, the parts are assembled under high pressure
MAK value AGW value	Short name for „Maximum workplace concentration – workplace limit value“ It represents a classification of the physiological effect of solvents, which indicates the concentration that can be tolerated by a processor without difficulty or harmful effects. The MAK value or AGW value is e.g. expressed in milligrams per cubic meters of air

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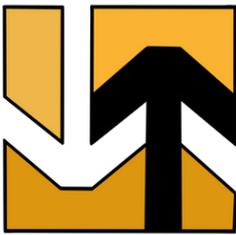
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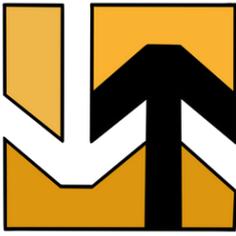
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Minimum storage time	The specified storage time of the product, calculated from the date of production or delivery
Monomer	Monomer adhesive is an uncured, liquid adhesive
Wet bonding (solvent based adhesives)	Usually only one-sided adhesive application with immediate joining of the surfaces. The initial adhesion is usually low, but increases rapidly as the substrate evaporates
Polymer	Polymer adhesive is a hardened adhesive
Reactivation	<p>Solvent reactivation: The dry adhesive becomes tacky again after wetting with a suitable solvent</p> <p>Heat reactivation: The dry adhesive becomes liquid again when exposed to heat</p>
Temperature application range	This term refers to the reasonable cold or thermal load of an adhesive
Thixotropic	Specific state of a liquid that can be liquefied by stirring or shaking from the „gel state“. Returning to the “gel-state” after a certain resting time
Viscosity	Provides information about the internal resistance of a liquid. The information is e.g. in mPa’s (milli-pascal seconds)

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Processing time

Is the time between the addition of a hardener or accelerator to the base and the permitted application time. It describes the moment when the product curing has progressed so far that further processing of the adhesive is no longer permitted

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