

INTERCOLL D 3454

Technical Information

Area of application

INTERCOLL D 3454 is a water-based adhesive for 2-component spray application. The product can be applied by using air-mix spray guns as well as with suitable low-pressure airless guns. The adhesive is used in upholstery industry and for mattress production. It is suitable for bonding absorbent and non-absorbent substrates like polyurethane foam, latex foam, textiles, felt and wood.

Characteristics

INTERCOLL D 3454 is a solvent-free contact-adhesive, which is used in combination with INTERCOLL D 3437 Activator. The dried adhesive film is very flexible and resistant against ageing. It shows high initial strength as well as excellent green strength for bonding foam materials in a very short time.

Technical data

Raw material base:	synthetic latex
Solids Content: (WPV 1 T2)	approx. 53 %
Density: (WPV 27 T2)	approx. 1,09 g/ml
Brookfield-Viscosity RVT (WPV 23 T1, 50 rpm, Sp. 1)	approx. 10 - 100 mPas
pH: (WPV 26)	approx. 11,0
Consumption:	approx. 80 – 150 g/m ² Deviations possible depending on application
Colour:	white, red or blue
Storage temperature:	+5 °C to +30 °C, sensitive to frost
Storage:	max. 12 months at +20 °C in the unopened original container
Danger Classification:	none (according to GGVS/ADR)
Approvals:	



Instructions for use

Dilution:	The adhesive will be delivered as a ready-for-use product. No dilution will be necessary for normal use. The adhesive must not be blended with other adhesives.
Substrate preparation:	Bonding surfaces have to be free of dirt, dust and grease.
Product supply:	from pressure vessel or membrane pump. All parts in contact with the adhesive have to be made of stainless steel or plastic to avoid coagulation. Pressurised systems may only be operated under supervision and must be depressurised after work has finished.
Spray-Mix-Application:	INTERCOLL D 3454 is mixed with INTERCOLL D 3437 Activator
Adhesive application:	On both parts with air assisted guns, spraying pressure approx. 1,5 - 2,5 bar or airless guns, pressure of product approx. 4 - 6 bar
Cleaning:	With water when fresh, with INTERCOLL L 1815 Löser 31 after drying. Do not use cleaning agents containing substances that interfere with adhesion like silicones, oils or similar.
Safety instructions:	Do not inhale the spray mist. Therefore, it is necessary taking care of an exhausting system and if necessary personal protective equipment (breathing mask).
Processing temperature:	more than +15 °C
Airing time:	none
Open time:	approx. 10 minutes depending on adhesive amount, temperature and humidity of surrounding air

Important

We guarantee the uniform high quality of our products. All data is based on tests and many years of practical experience. The variety of materials used and the different work conditions, which lie beyond our control, preclude any claims based on this data. We therefore recommend performing sufficient tests or a pilot run. We gladly provide technical advice.

This Technical Information of 12.11.2025 supersedes all previous versions.