



MORCHEM AQ-710 + CA-15

MORCHEM-Product
Your Innovation Partner

DESCRIPTION

MORCHEM AQ-710 + CA-15 is a 2-component adhesive based on polyurethane water dispersion.

PRODUCT CHARACTERISTIC

	MORCHEM AQ-710	MORCHEM CA-15
Solid content	40 ± 2 %	100 %
Viscosity (25°C) BROOKFIELD	4.250 ± 1.200 mPa.s	210 + 105 mPa.s
pH value	8,25 ± 1,25	---
Density (20°C)	1,05 ± 0,02 g/cm ³	1,15 + 0,02 g/cm ³
Aspect	Milky white	Transparent

APPLICATION

Application parameters:

Mixture	MORCHEM AQ-710	MORCHEM CA-15
Standard	100 kg	5 kg

MORCHEM AQ-710 + CA-15 provides good bonding properties on most synthetic and natural materials (fabrics, PVC...). The adhesive can be used as one component when high performance is not required. The addition of the component MORCHEM CA-15 increases washing resistance. MORCHEM AQ-710 + CA-15 is a water-based dispersion with low VOC content. The product presents good yellowing resistance properties. The use of MORCHEM AQ-710 + CA-15 gives a good soft hand feel. MORCHEM AQ-710 + CA-15 is a thermoplastic adhesive heat-activated at 75-80 °C.

COMPATIBILITY

MORCHEM AQ-710 + CA-15 can be diluted for certain applications. As solvents it should be used water and alcohol-free solvents as ethyl acetate, MEK or acetone. At the blending with the crosslinker MORCHEM CA-15 as well as at the dilution with solvents it has to be paid always attention that the adhesive system is not gathering to much humidity since this can lead to adverse reactions.

PROCESSING

MORCHEM AQ-710 will be adjusted to the corresponding viscosity to be used as adhesive, adhesive coating or other coatings. MORCHEM AQ-710 will be mixed with MORCHEM CA-15 acc. to the prescribed mixing ratio. The crosslinker MORCHEM CA-15 must be stirred in well into the main component. MORCHEM AQ-710 + CA-15 is applicable by gravure rolls. The product is delivered ready to use. If necessary, use 5-15 % of water. The absence of CA-15 component would make the system heat-reactive.



CLEANSER AND DILUENTS

Stirred tanks and working tools should be cleaned immediately with water after it has been finished with the production so as to avoid the reaction with humidity. The use of conventional detergents may help with cleaning. Eventually dry rests of the adhesive and remove it with organic solvents.

STORAGE

If goods are stored properly at a dry and cool temperature (5-25 °C) in its original packaging, MORCHEM AQ-710 and MORCHEM CA-15 can be stored at least for 6 months. This prepolymer has to be protected against humidity. Opened drums must be well resealed and used up in a short time.

PRODUCT SAFETY

When using MORCHEM AQ-710 + CA-15 you must take the normal precautions for handling isocyanates. (See the safety data sheet for further information!).

PACKAGING

MORCHEM AQ-710 is available in 120 kg PE drums resp. in 1.000 kg one-way containers.
MORCHEM CA-15 is available in 1 kg aluminum bottles or in 25 kg drums.



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