

CONIPUR 360

Solvent Free MDI Based PUR Binder

Product description

CONIPUR 360 is a 100 % polyurethane, solvent free, unpigmented, medium viscosity moisture curing binder based on MDI.

Fields of application

CONIPUR 360 is used as a binder for the manufacturing of rubber granule mats (cylinder production) and rubber mouldings (e.g. for children's playgrounds).

Not only rubber granules and rubber buffing can be used but also other elastic materials, such as cork and polyurethane foam can be used.

Properties

Mouldings made from CONIPUR 360 exhibit high mechanical properties.

Due to the solvent and plasticizer free formulation, a binder initiated shrinkage can be excluded.

Technical Data

Density	DIN 51757, at 23 °C	g/cm ³	1.07
Viscosity	at 23 °C	mPas	6500
NCO content	DIN 53185	%	9.2
Flash point	DIN 51755	°C	> 150
<i>Above figures are guide values and must not be used as a base for specifications!</i>			

Application method

CONIPUR 360 is a single component binder. For use the [temperature](#) of the binder should be between 15 and 25 °C. The elastic [granules](#) or [fibres](#) are [mixed](#) with the necessary amount of [binder](#) using a suitable mixer.

The amount of binder depends very much on the type and size of the elastic particles to be bound, on compaction and on the application purpose of mouldings or mats. It varies normally from 4 to 20 % by weight. The duration of mixing depends on the mixer type, but must be [at least 2-5 minutes](#). The mixture of binder and granules is filled in moulds, [compacted](#) and cured until a de-moulding is possible.

The de-moulding time depends very much on the amount of available water, temperature and the presence of catalysts. In order to [shorten](#) the de-moulding time, small amounts of [water](#) (approx. 2-5 % of the total binder contents depending on the process and curing conditions) and/or [catalyst](#) (e.g. ACCELERATOR 10 or ACCELERATOR 12) are added to the mixture of granules and binder.

Water can also be added directly to the granules prior to mixing with the binder. The curing process can be shortened significantly by an [increase of temperature](#),

which is especially important in mouldings. Fast curing can be achieved when exposed to [water vapour](#).

Pack size

CONIPUR 360 is delivered in 220 kg drums, 1'050 kg IBC's or in tank trucks.

Colour

straw coloured

Storage

Store in original closed packing under dry conditions at a temperature range of 5 - 25 °C.

Do not expose to direct sunlight.

Before use, please see "best before" date on the pail / drum.

Safety precautions

CONIPUR 360 is non-hazardous in its cured condition.

For protective measures, transport regulations and waste management please refer to the Material Safety Data Sheet of the product.

CONIPUR 360 meets the requirements of the EC directive 2004/42/EC.