

CONIPUR 390

Solvent Free MDI Based PUR Binder

Product description

CONIPUR 390 is a solvent free, unpigmented, low viscosity moisture fast curing binder based on MDI.

Fields of application

CONIPUR 390 is used as a binder for the manufacturing of rubber granule mats (cylinder production) and rubber mouldings (e.g. for children's playgrounds).

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	1.08
Viscosity	at 23 °C	mPas	4'300
NCO content	DIN 53185	%	9.2
Flash point	DIN 51755	°C	> 100

Above figures are guide values and must not be used as a base for specifications!

Application method

CONIPUR 390 is a single component binder. For use the [temperature](#) of the binder should be between 15 and 25 °C. The elastic [granules](#) 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 390 is delivered in 25 kg cans, 220 kg drums or 1'050 kg IBC's.

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 390 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 390 meets the requirements of the EC directive 2004/42/EC.