ACCELERATOR 10

Metallic Complex Catalyst for CONIPUR Products

Product description

ACCELERATOR 10 is a very active, pure catalyst based on a metallic complex, which accelerates the curing of PUR liquid synthetics even at low concentrations.

Fields of application

ACCELERATOR 10 shortens the pot life as well as the curing time of single and two component CONIPUR products.

ACCELERATOR 10 is especially suitable to speed up the curing time of binders or moisture curing products on PUR basis (e.g. CONIPUR 216, 217, 4020, 322, 324 and 327) but also suitable for two component PUR products (e.g. CONIFLOOR 440, CONFILOOR 210 and CONIFLOOR 310).

The needed quantity of ACCELERATOR 10 depends on the temperature and has to be defined by preliminary tests.

For the acceleration of other CONIPUR products or in case of special jobsite, conditions please contact our technical department.

Properties

ACCELERATOR 10 is a yellowish to brown liquid. Due to its low viscosity, it can easily be mixed with all polyurethane based systems.

Technical Data

Density	at 23 °C	g/cm^3	approx. 1.07
Viscosity	at 23 °C	mPas	approx. 80
Flash point		°C	> 150
Solubility	in water in most organic solvents	g/l g/l	< 1 ∞
Above figures are guide values and must not be used as a base for specifications!			

Application method

For single component products, ACCELERATOR 10 is mixed with the PUR binder until the blend is homogeneous.

After this, it has to be mixed with the material to be bonded (e.g. rubber granules).

When working with two component products, the two components have to be thoroughly mixed to achieve a homogeneous blend before adding ACCELERATOR 10.

Quantity to be added

The required quantity of ACCELERATOR 10 depends not only on the product to be catalysed but also as on temperature and air humidity and has to be found out by making preliminary tests.

Warning: Too much catalyst can shorten dramatically the working time and makes the application very difficult or even impossible.

In most of the corresponding Technical Data Sheets of the products to be catalysed rough guide values can be found.

A guiding value for the quantity of ACCELERATOR 10 to be added to moisture curing products (e.g. binders)
Is 0.1 - 0.2%.

The quantity for two component PUR products is approx. 0.01 - 0.02 %.

In order to avoid an overdose of catalyst we recommend the use of ACCELERATOR 15 which is diluted.

CONIPUR products are developed in order to make the adding of accelerators unnecessary.

A supplementary acceleration must only be performed when working at low temperatures, very low air humidity (binders!) or when using only part of the working packs (e.g. for repair works).

Pack size

ACCELERATOR 10 is supplied in 5 kg cans.

Colour

yellowish

Storage

Store in unopened cans 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

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

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As all CONICA guidelines maybe updated as needed, it is user's responsibility to obtain the most recent issue. Registered users can obtain the actual data sheets from our webpage. Hard copies are available upon request.