

# AVINJECT 1C ELASTO

One component solvent free polyurethane injection system and hydrophobic in nature. Reaction with yields a very flexible polyurethane foam which is to be injected with 1C injection pump & with use of 6-10% of catalyst

## How to use it

Shake the catalyst well before use.

Mix the resin & catalyst of ratio 6% to 10 % with respect to desired reaction speed. For injection use packer and 1C injection pump. Avinject 1C Elasto is very hygroscopic & packed in dry atmosphere. Use open container within a week or recap under dry nitrogen.

## Properties & Application

Sealing of water ingress in wet dynamic cracks & joints.

MDI, phthalate free, flexible, closed cell material.

Variable reaction time depends upon % of catalyst.

## Safety & precautions

- ❖ Do not breathe dust/fume/gas/mist/vapor/spray.
- ❖ In case of improper ventilation wear respiratory protection.
- ❖ Wear protective gloves/clothing and eye & face protection.
- ❖ **If in eyes:** Rinse cautiously with water for several minutes, remove contact lenses, if present & easy to do. Continue rinse.
- ❖ **If on skin or Hair:** - Take off immediately all contaminated clothing. Rinse skin with water & shower.

## Reaction time

Foam Expansion = 800%

Quantity of catalyst	Reaction time	Polymerization
6%	30 sec	115 Sec
8%	25 sec	90 Sec
10%	20 sec	75 Sec

## Packing

25 kgs resins & 2.5 L catalyst

## Storage

To avoid the problems, one must understand that both the products are temperature & moisture sensitive. Therefore, material must be stored in a temperature does not exceed 30°C or not lower than 10°C.

Shelf life is 1 year. & all drums that are partly used must be covered by nitrogen & resealed to prevent ingress of moisture.

## Technical data

Physical characteristics of uncured polyurethane prepolymer		
Subject	Value	Norm
Density	1.08 g/cm <sup>3</sup>	EN ISO 2811-2-2002
Viscosity	~ 245 mpa.s	EN ISO 3219:1994
Isocyanate	7.7 M %	EN 1242:2006
Flash point	≥ 150°C	
Colour	yellow	

Physical characteristics of Catalyst		
Subject	Value	Norm
Density	0.913 g/cm <sup>3</sup>	EN ISO 2811-2-2002
Viscosity	7.4 mpa.s	EN ISO 3219:1994
Flash point	≥ 150°C	
Colour	Transparent	