



Product code : 75045

HIGH POWER TURBO

DESCRIPTION

HIGH POWER TURBO is a one-component high-viscosity and high-modulus elastomeric sealant, based on new generation polymer.

After application, it cures under the effect of moisture present in the air or in the substrates to form a flexible joint presenting a high resistance to tear.

HIGH POWER TURBO presents good adhesive and mechanical properties, a high immediate setting, a fast skin formation time and a strong bonding.

This sealant can be applied on wet surfaces and does not present any risk of bubbling during the curing phase.

It is resistant to ageing and weathering and presents a good resistance to water and chemicals.

AREAS OF APPLICATIONS

HIGH POWER TURBO is specially adapted for works requiring a powerful and fast bonding (pressing and holding of the element to bond during 3 seconds, depending on its dimensions). It thereby provides a handling of the bonded elements after only 20 minutes.

HIGH POWER TURBO is ideal, indoor and outdoor, to bond elements which may be subject to vibrations or deformations.

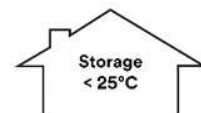
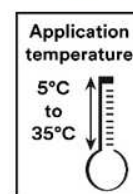
HIGH POWER TURBO can be used in the general industry: joints between prefabricated elements, structural steel, flow pipes, galvanized plates and sheets, metals (like aluminium, iron or zinc), trucks and caravans elements, elements destined to air conditioning and refrigerated machines installations.

HIGH POWER TURBO can also be used in the building industry: adhesion is excellent on concrete, bricks, wood, natural and artificial stones, ceramics, glass, plinths (wood - aluminium - rigid PVC) and insulating materials.

However, due to the large variety of substrates (particularly those not specified in this data sheet), suppliers and installation conditions, it is necessary to make tests beforehand on difficult materials (particularly on non-ferrous or lacquered metals and plastic substrates like PVC, PMMA or ABS) to determine whether abrasion or the use of a primer may be necessary to improve adhesion. For further information, contact our technical department.

Not suitable for substrates like PE, PP, Teflon, wallpaper-glass cloth.

Avoid any contact with light oils, plasticizers or other products like bitumen, asphalt, silicone, etc. before and during the curing.



TECHNICAL DATA

Appearance	Thixotropic paste
Color	White
Density at 20°C	Approx. 1,47
Sagging (ISO 7390)	0 mm
Application temperature	5 to 35°C
Skin formation time at 23°C and 50 % RH	5 to 10 min *
Cure time at 23°C and 50 % RH	Approx. 3 mm after 24h
Shore A hardness (internal method IT-20 after ISO 868 - 3 seconds)	Approx. 65 after 14 days
Modulus at 100 % (ISO 37)	Approx. 1,60 MPa
Modulus at break (ISO 37)	Approx. 3,50 MPa
Elongation at break (ISO 37)	> 400 %
Tear strength (ISO 34)	> 11 N/mm
Temperature resistance	-40 to +90°C (on cured sealant)
UV resistance	Good
Moisture resistance	Good
Compatibility with paints	On cured sealant: <ul style="list-style-type: none">- water based paints: yes - carry out tests beforehand- solvent based paints: carry out tests beforehand

* this time depends on hygrometry and ambient temperature. In order to ensure a good adhesion, it is mandatory to do the bonding before the product has formed its skin.

INSTRUCTIONS FOR USE

Substrates preparation:

The substrates must be clean, even, dust free and not have any traces of grease or other contaminants that could harm bonding.

If the substrates need to be cleaned, use EMFINET 683, methylethylketone (MEK), acetone or DEGREASER 1001. For materials sensitive to ketones, use ethanol.

Check their compatibility with the substrates.

If necessary, apply a primer - contact our technical department if needed.

It is recommended to rub down concrete, particularly cement film residue, with a metal brush. After scraping, remove the dust.

If necessary, rub down metallic surfaces beforehand (especially in presence of oxidation). After rubbing down, clean them with a solvent and allow to dry for at least 10 minutes.

Note: when using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer.

Bonding:

HIGH POWER TURBO can be applied in ropes by a manual, pneumatic or electrical gun.

Press strongly during a minimum of 3 seconds. Depending on the dimensions and weight of the elements to be bonded, a longer pressing time or a mechanical holding before curing can be required.

HIGH POWER TURBO can be painted: it is however recommended to wait until the skin is formed (approximately 10 minutes) prior to painting. The sealant can also be sanded, painted and / or varnished after curing. Making tests beforehand is recommended.

Cleaning:

Tools can be cleaned with EMFINET 683, methylethylketone (MEK), acetone or EMFICLEAN AL wipes before the sealant has completely cured. After curing, abrasion is necessary.

LIMITATIONS

This product should be used within 24 hours which follow the opening of the packaging, otherwise the sealant could cure.

Recommended application temperature between 5 and 35°C.

Avoid any contact with non-cured polyurethanes during curing.

CONSUMPTION

290 ml cartridge

Diameter of the cannula (mm)	2	3	4	5	6	7	8	9	10
Length (linear meter)	92	41	23	14	10	7.5	5.5	4.5	3.5

For information purpose, dependent on the bonding conditions (surface's state, substrates, etc.)

STORAGE AND SHELF LIFE

18 months in closed original packaging stored at a temperature below 25°C.

In cold weather, store the packaging at about 20°C before use.

PACKAGING

290 ml cartridges.

Contact us for other packaging options.

SAFETY

Read material safety data sheet before use.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.