

POWER swelling tape adhesive Hybrid high-pressure adhesive

The POWER swelling tape adhesive is a single-component adhesive for dry as well as moist substrates. It comes in plastic cartridges for use in customary applicator guns.



Properties:

- Sealant based on silane-terminated polymers (hybrid)
- Single-component
- Excellent primerless adhesion on numerous substrates – even when exposed to water (moist, flat-lustrous substrates)
- Very high mechanical strength, very high adhesive strength
- Low odour
- Good weathering and ageing resistance

Technical data:

Chemical base:	silane-terminated polymers (hybrid)
Colour:	black
Viscosity at 23°C:	pasty, stable
Temperature resistance from/to:	approx. -40° C to + 90° C
Processing temperature from/to:	+5°C to + 35°C

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Gross density at 23° C:	approx. 1.4 g/cm ³
Hardness:	approx. 55 Shore A acc. to ISO 868
Skin-forming time at 23°C / 50% RAH:	approx. 20 minutes
Curing in 24 hours at 23°C / 50% RAH:	approx.. 2 – 3 mm thickness The curing time can be reduced by moisture supply or higher temperatures
Elongation at break acc. to ISO 37, S3A:	approx. 230 %
Tensile strength acc. to ISO 37, S3A:	approx. 3.50 N/mm ²
Packaging:	Cartridges of 310 ml each 20 cartridges per carton
Shelf life: at 15 - 25°C / < 60% RAH:	12 months if stored in undamaged and unopened original packaging Storage at higher temperatures/air humidity for an extended period (several weeks) may reduce the shelf life or change the material properties
Disposal:	Already cured material can be disposed of with the domestic or commercial waste Unused material (fluid, paste-like) is to be disposed of as hazardous waste.

This data is not suitable for the issue of specifications. Please contact MASTERTEC before issuing specifications.

Application:

The POWER swelling tape adhesive is used for fixing our FLOWSTOP swelling tape.

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Installation:

Prior to application of the POWER swelling tape, the substrate needs to be prepared. All adherent surfaces must be cleaned from any contaminant such as release agents, grease, oil, dust, standing water, and any other substances which could affect adhesion.

Porous substrates need to be cleaned mechanically, e.g. by using a steel-wire brush or a grinding disk to remove loose particles.

The adherent surface must be intact.

Before application on non-porous and non-absorbent surfaces (e.g. metal, plastic), the surface must be cleaned with a customary cleaner and a clean cloth.

The POWER swelling tape adhesive is applied centrally below the POWER swelling tape directly from the cartridge using an applicator gun.

After pressing on the swelling tape, the POWER swelling tape adhesive must cover the entire surface below the FLOWSTOP swelling tape and must ooze out slightly on the side.

In order to determine the required quantity of adhesive, trial applications need to be performed.

Safety aspect:

The POWER swelling tape adhesive not biodegradable. See also the section “Disposal”.

It is a product of water hazard class 1, i.e. it is slightly hazardous for water. Do not allow the product to reach ground water, water course or sewage system.

We recommend the use of personal protective equipment and to take appropriate hygienic measures.

Further safety information can be gathered from our safety data sheet.

Legal disclaimer

The technical information describes the current state of our knowledge about POWER swelling tape adhesive. It is supposed to provide information to possible users only. Since we do not know the planned applications and processing conditions, it is the user's obligation to check the product carefully with regard to its suitability for the intended purpose. Due to the different components on the building site and the local working conditions MASTERTEC cannot assume any warranty for the work result. Liability, on whatever legal grounds, may be considered – regardless of the statements made herein or oral advice – only in case of intent or gross negligence. In such case it is the user's obligation to prove that he had made available to MASTERTEC all information required for professional evaluation of the installation situation in writing and in time. Necessary product specifications or future adjustments are reserved. It is not MASTERTEC's intention to infringe upon rights of third parties. The most recent version of the data sheet shall be valid. Our conditions of sale apply.

Effective May 2015

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