

Product Information:

High Tack 299



Phthalatefree construction adhesive for faster assembly of heavy materials

General description and application:

High Tack 299 is a neutral curing 1-component assembly adhesive with a very powerful initial tack.

High Tack 299 is phthalatefree and forms a strong but still elastic joint that can absorb any movement between building sections.

High Tack 299 can be used for in- and outdoor application on wall, roof and floor and has an excellent resistance to climatic influences.

High Tack 299 contains neither acid, solvent, silicone nor isocyanate and is suitable for mounting of various types of heavy building materials such as construction boards and blocks, without the need of support.

High Tack 299 adheres to a wide range of materials; wood, glass, concrete, bricks, fibre glass, painted surfaces, Perspex, PVC and most types of metal and rubber.

High Tack 299 has a high viscosity and requires a powerful caulking gun with a force of at least 2,5 kN.

High Tack 299 meets the requirements of Ecode Class EC 1^{PLUS}.

Physical / chemical properties:

Adhesive:

Type: Moisture-curing, neutral Silane Modified Polymer (SMP), 1-component
 Contains fungicide: No
 Consistency: Thixotropic
 Shelf life: 12 months in unopened packing, if stored cool and dry.
 Packaging:

Item no.	Size	Colours
29932	290 mL cartridge	White

Cured adhesive:

Paintable: Yes.
 Hardness: 52 Shore A (DIN 53505)
 Tensile strength: approx. 2,5 N/mm² (DIN 53504 S2, after 7 days)
 Elongation: approx. 400 % (DIN 53504, after 7 days)
 Elasticity: +/- 20%
 Resistance: Temperature: approx. -40 °C to +90 °C
 Climatic ageing: Good



Directions for use:

- Preparation:** *All surfaces must be clean and dry, free of grease, dust and loose particles. High Tack 299 can be used on surfaces like bricks, concrete, wood, glass, most metals and painted surfaces as well as several plastic and rubber types. High Tack 299 is not suitable for plastics like PP, PE, PTFE and nylon, as well avoid gluing on bitumen-based products.*
- In practice, variations can occur in the different materials, therefore it is always recommended to carry out sufficient bonding tests before commencing – particular in larger applications.*
- Applications temperature:** *Can be applied at temperatures from +5 °C to +40 °C.*
- Yield:** *2 - 3 m²/cartridge, depending on dimensions and required strength.*
- Assembling time:** *Within 5 - 10 minutes after application of glue strings*
- Assembling:** *The materials are pressed carefully to the substrate.*
- Load carrying capacity on wall without support corresponds to a part with a size of 8 x 8 cm and a weight of 2 kg which needs approximately 75% of its adhesive surfaces covered to be fixed without the use of support. Which corresponds to 300 kg /m². The figures must be regarded as a rough estimate and the glue requirement for specific tasks must be investigated and addressed based on practical experience.*
- Application:** *High Tack 299 is applied in glue strings to the substrate or at the wall/ceiling at a mutual distance of 3 - 20 cm, depending on the required strength. Some tasks might require special assembly methods therefore always follow the instructions from the supplier. When mounting heavy materials, or for special applications, it might be necessary to support the materials during the curing process.*
- Curing:** *Curing time: approx. 2 mm/ day, depending on moisture and temperature.*
- Cleaning:** *Uncured adhesive can be removed wipes. Cured adhesive can only be removed mechanically. Hands should be washed with water and soap.*

Health and Safety:

For further information on safety, please refer to product safety datasheet.

The information and data contained in this Product Information sheet are based on extensive laboratory testing and our practical experiences and are meant for helping the user to find optimum working methods. As the conditions at the user are beyond our control, we make no warranties concerning the results, achieved by the products. The information's in this Product Information sheet are typical values, intended as a guideline. They should not be regarded as product specifications. Please also refer to our standard sales conditions and terms of delivery.

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