


Article number:	Cartridge: 311030010 Tube: 311030011 Bucket: 311030015
	
Product name:	Gebhardt-PLAST – Air duct sealant
Field of application:	A sealant which has been specifically designed for use in air ducts and ventilation / air conditioning systems. In addition, the sealant is also used for sheet metal connections. In the construction of ductwork, Gebhardt- PLAST is suitable for sealing joints, ductwork connections, for installing insulation, for avoiding sound bridges and for sealing air conditioning equipment.
Characteristics:	<ul style="list-style-type: none"> ● raw material basis: Polyacrylic dispersion ● colour: grey ● specific weight: approx. 1.45 – 1.55 ● Shore A hardness: approx. 30 +/- 5 ● ready to use single component sealing material ● sealant material is solvent-free and silicone-free, has a neutral odour and can be painted over. It is sprayable and has good adhesive properties on metals. ● resistant to ageing and weathering, light-fast and plastoelastic properties ● resistant to temperatures between -20°C and +80 °C (after hardening is fully complete) ● fire protection classification B2 in accordance with DIN 4102 ● Gebhardt-PLAST is classed as a fungicide and anti-bacterial and meets the hygiene specifications for use in clean rooms as well as specifications of directive VDI 6022/1 ● test report in accordance with DIN EN ISO 846
Supplied container:	<ul style="list-style-type: none"> ● cartridge - 310 ml ● tube - 600 ml ● bucket - 5 kg
Unit:	Cartridge: 311030010 – Boxes a 20 pcs / Pallet a 1.200 pcs Tube: 311030011 – Boxes a 20 pcs / Pallet a 800 pcs Bucket: 311030015 – 1 pc / Pallet a 72 pcs

The intention of this product leaflet is to provide non-binding information and should only be interpreted as such. The information takes the current state of technical developments and developments in the chemical industry. We reserve the right to make modifications relating to the product as well as to develop it further. No liability on our part can be derived from this. Users should check the suitability of the product for the intended purpose by conducting their own tests.

Processing:	<ul style="list-style-type: none"> • between approx. +5°C and +40°C • The sealant should not be processed in temperatures below +5°C. • A skin is formed after approx. 20 – 30 minutes. • Full hardening time: approx. 2 mm per 24 hours. • Permanent hardness speed and skin formation mainly depend on the environmental temperature and relative humidity. • The substrate should be free from dust, oil and grease. • Gebhardt-PLAST can be processed on slightly wet substrates. The user should make sure however that the joint can dry. • The joint however should be protected from dirt, rain and heavy mechanical forces until a solid surface skin has formed (if necessary, the joint should be covered). • Consumption: varies, according to the seal cap. • Screw on the plastic nozzle and cut off at an angle above the screw thread according to the desired bead thickness. • Insert the cartridge into the manual or pressurized gun and apply. • After application, any visible spots / joints can be smoothed over by using a spatula which has been dipped into a household detergent or by using a finger. • However in doing so, especially in the case of absorbent substrates, prevent the smoothing fluid from running over the substrate. • After full hardening, Gebhardt-PLAST can be painted over with most commercially available painting systems. Due to the wide variety of painting systems, users should ensure compatibility by conducting their own tests. • As Gebhardt-PLAST is plastic, it should not be used for jointing expansion joints.
Material adhesion properties:	<ul style="list-style-type: none"> • Substrates with good adhesion: Untreated aluminium, anodised aluminium, powder coated aluminium, iron, copper sheeting, brass, zinc sheeting, enamel, eternity panels, aerated concrete, concrete, clinker/ bricks, tiles, glass, wood. • Good adhesion to clean substrates. The substrates need to be supportive, free from oil, grease and similar sources of dirt. If necessary, porous substrates should be pre-treated with a mixture of 1 part sealant and 10 parts water in order to strengthen the adhesive surfaces and close the pores. • The water released in the curing process can lead to the corrosion of metals.
Consistency characteristics:	<ul style="list-style-type: none"> • Resistant to: water, formaldehyde (30%), caustic soda, citric acid (10%), acetic acid (5%), isopropyl alcohol, salt solutions (25%), washing up liquid ('Pril' (similar to 'Fairy') in a 20% solution), chlorine solutions (5%), detergents (Persil colour in a 5% solution), hydrogen peroxide (10%), soap suds (20%), disinfectants, extracted kitchen air (after full hardening) • In tests, the test fluids were applied to the substrate material as a film, and these were then renewed continuously. In each case, the reaction time was 8 hours/day followed by 16 hours drying off over a period of 7 days. The air duct sealant is not suitable for use below water or the cited media, e.g. in storage tanks or pipes. • During the reaction period, small amounts of the media are absorbed by the sealant. In the case of very long reaction times involving large quantities of the medium, the sealant can soak without the chance to dry.

How to treat the hardened joint:	<p>Sealing with Gebhardt-PLAST results in a plastic joint which can be damaged with pointed or sharp-edged objects. Heavy mechanical forces and abrasions</p> <p>should be avoided. For cleaning the joints only use neutral and gentle lubricating agents. Never use abrasive cleaners.</p>
Hazard notes:	<ul style="list-style-type: none">• When processing, ventilate the spaces you are working in.• Avoid contact with the eyes and mucous membranes. In the case of contact with the eyes, rinse immediately using copious amounts of water (if necessary, consult a doctor).• Keep uncured sealant away from children.• The storage temperature should range between +5°C and +25°C (protect from frost).• Protect the containers from moisture as well as sunlight and heat.
Shelf life:	<p>At least 12 months in a sealed cartridge (from the date of production) when stored in the correct manner.</p>