

Intek Adhesives Ltd

RTV Silicones to Bond, Seal, Insulate & Weatherproof



Adflex PU45 Adhesive Sealant

Product Data:

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| Chemical base | One part polyurethane |
| Cure mechanism | Moisture curing |
| Colour | Black, White, Grey |
| Density | 1.10 - 1.25 (depending on colour) |
| Non-sag properties | Good |
| Rate of cure* | 3mm / 24 hours |
| Tack free time* | 50 mins approx. |
| Shore A hardness | 40 approx. |
| Elongation at break | >500% |
| Tear strength | >6 N/mm approx. |
| Tensile strength | 1.8 N/mm ² approx. |
| Service temperature (| Continuous)-40°C to + 90°C |
| Service temperature | (short term)-40°C to + 120°C |
| Shelf life | 9 months At 23°C 50% relative humidity |

Description: Adflex is a high quality non-sag one-part polyurethane sealant that cures on exposure to atmospheric moisture to form a durable elastomer. At low temperatures the moisture content of the air is generally lower and the curing reaction proceeds somewhat more slowly.

Chemical Resistance:

Good resistance to fresh water, seawater, limewater, sewage effluent, dilute acids and caustic solutions. Temporarily resistant to fuels, mineral oils, vegetable and animal fats and oils. Not resistant to organic acids, alcohol, concentrated mineral acids and caustic solutions or paint thinners.

Areas of Application

Adflex bonds to a wide variety of substrates and is suitable for making permanent elastic seals of high adhesive strength. Suitable substrate materials include timber, metals, metal primers and paint coatings (two part systems), ceramic materials and plastics. Seek advice before using on transparent and pigmented materials that are prone to stress cracking.

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, and that the actual conditions of use are suitable

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Method of Application:

Surface preparation: The faces of the joint must be clean, dry and free from all traces of grease. The adhesion of the sealant can be improved by wiping the joint with a cleaning and activating agent and applying the appropriate primer.

Application: Pierce the cartridge membrane and peel back completely. Cut off the tip of the nozzle to suit joint width and gun the sealant into the joint with suitable hand operated or compressed air gun, taking care to avoid air entrapment. Once opened, packs should be used up as soon as possible.

Over painting: Adflex can be over painted when tack free. The paint must be tested for compatibility by carrying out preliminary trials. It should be understood that the hardness and film thickness of the paint might impair the elasticity of the sealant and lead to cracking of the paint film.

Tooling and finishing: Tooling and finishing must be carried out within the tack free time of the sealant. Tooling agents or lubricants must be tested for suitability/compatibility.

Cleaning: Uncured Adflex may be removed from tools and equipment with a suitable solvent. Once cured the material can only be removed mechanically.

Hands and exposed skin: Should be washed immediately using hand cleaner and water. Do not use solvents!

Further information: Material safety data sheets available upon requests.

Handling Precautions:

Customers are urged to ensure that the product is entirely suitable for their own purpose, and advised that it is the responsibility of the customer to undertake a suitable and sufficient assessment of the risks created , by the use of this product.

Products should be stored and handled in accordance with the above recommendations, good hygiene practice, and current legal regulations and responsibilities.

This information is given in good faith, and is based on information believed to be reliable. This document is not a specification, and properties shown are not guaranteed.