

### Product Description

Q-Seal™ 295-P606 is a two component polyurethane sealant specifically formulated to be used in airports for runway lights installation, as well as for runway crack repair. It provides a weather and chemical resistant, waterproof seal which can be used as a sealant for saw cuts in concrete and asphalt surfaces.

This product has been formulated to meet or exceed FAA Material Specification Item P-606 "Adhesive Compounds, Two Component for Sealing Wire and Lights in Pavement".

### Curing

Q-Seal™ 295-P606 will be tack free in approximately 10 – 20 minutes at 77°F (25°C). At lower temperatures this product will take a longer time to gel, while it will take less time to gel at higher temperatures. Q-Seal™ 295-P606 should only be applied in temperatures between 40°F (5°C) and 100°F (38°C).

### Features and Benefits

Q-Seal™ 295-P606 will not expand or flow above the joint. Refer to Use and Handling Instructions. Q-Seal™ 295-P606 is a 100% solids system that contains no solvents and is zero V.O.C.

Q-Seal™ 295-P606 exhibits exceptional chemical resistance to the following chemicals: de-icing fluids types I, II, III and IV, de-icing salts – including 50% by weight potassium acetate, gasoline, hydraulic brake fluid, and motor oil.

### Surface Preparation and Application

- Q-Seal™ 295-P606 pails and cartridges must be kept at 68°F (20°C) - 86°F (30°C) for at least 24 hours until immediately prior to use.
- It is the responsibility of the installer to ensure that the substrate is clean and dry (free of dust, water and ice) before installation of Q-Seal™ 295-P606. Pressurized air or water should be used to remove dust and debris from the substrate. If the substrate is not dry or if it is coated with a thin layer of ice, the surface may be heated with a torch or hot air gun to dry.
- When using cartridges; trapped air must be expelled from the tubes. To do this, tilt the cartridge on a 45° angle with one tube above the other. As pressure is applied the air will be expelled from the bottom tube. Continue applying pressure until no more air is seen in the tube and no new bubbles are seen entering the mixer. Turn the tubes 90° such that the other tube is on the top and repeat the process. The material that is pumped from the tubes should be discarded until all bubbles in the mixer have been removed.
- Q-Seal™ 295-P606 does not expand during the curing process and can be dispensed into the hole up to the desired height. Q-Seal™ 295-P606 has been designed to be self-levelling but to resist flowing down runway slopes.
- Q-Seal™ 295-P606 adheres to itself, so if a top up is required it may be done.
- Empty cartridges and static mixers are disposable.
- To ensure proper mixing, static mixers should be changed after any pause greater than the gel time for the ambient temperature (4 minutes at 77°F/25°C).
- Clean any Q-Seal™ 295-P606 when it is still wet, once cured it becomes extremely hard to remove from surfaces.



## Technical Data Sheet

June 2013  
World Wide Use

# Q-Seal™ 295-P606

2 Component, Polyurethane,  
FAA P-606 Compliant Sealant

### Physical Properties

Property	Iso	Poly	Mixed
Brookfield viscosity	4500 – 5500 cps	4500 – 5500 cps	4500 – 5500 cps
Color	Black	Yellow-Brown	Dark Grey
Solids	100%	100%	100%
Mixing ratio by volume	1	1	
Gel time at 77°F (25°C)			4 – 5 minutes
Full cure at 77°F (25°C)			3 hours

**Note:** The above properties are typical characteristics and not to be considered as specifications.

### Cured Properties

Property	Value
Hardness, Shore D (ASTM D-2240)	60 – 70
Tensile strength (ASTM D-412)	2700 psi = 1.89.83 Kg/cm <sup>2</sup> or 18.61 N/mm <sup>2</sup>
Elongation (ASTM D-412)	85%
Adhesion to steel (P-606-3.5)	1050 psi = 19.69 Kg.cm <sup>2</sup> or 1.93N/mm <sup>2</sup>
Adhesion to concrete (P-606-3.6)	280 psi
Water absorption (ASTM D-570)	0.2%
Jet fuel absorption (ASTM D-570)	0.05%
Dielectric strength (ASTM D-149)	390 volts/mil
Arc resistance (ASTM D-495)	135 seconds

### Packaging

Q-Seal™ 295-P606 has a 1 year shelf life from the date of manufacture and is available as follows:

- 21 fl. oz. (600 mL) ratio pack tubes<sup>s</sup> to be dispensed through a manual gun dispenser
- 51 fl. oz. (1500 mL) ratio pack tubes<sup>s</sup> to be dispensed through a compressed air gun dispenser
- Twin packages of 10 gallon (38L) kits to be dispensed through a meter-mix air pump dispenser
- 55 gallon (200L) drums

Order must exceed a minimum quantity.

### Safety and Handling Precautions

Please refer to the Material Safety Data Sheet for Q-Seal™ 295-P606 for more information. To avoid contamination, make sure that the pump hoses are dry and clean (free of any other product, solvent, water, etc.)

### Customer Service

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