

ITW Quickset Cartridge Systems

ITW QUICKSET is a 2-component, high-strength, fast-setting, multi-purpose epoxy. It can be used as a liquid shim, an anchoring adhesive or as structural gap filler. ITW Quickset can be applied between steel plates or between concrete & steel; and sets within 15 minutes. Formulated to cure in 6 hours and reach a minimum compressive strength of 14,500 psi / 102 MPa, ITW Quickset can be placed in thickness' up to 3/4" / 19 mm, using appropriate installation methods.

ITW Quickset is now available in 600ml dual - component cartridges; providing increased versatility and convenience for applications where smaller quantities are needed and ease of installation is desired. ITW Quickset is also available in standard 2 gal, 10 gal and 92 gal drum units for use with metering, mixing and dispensing systems (MMD).



Cartridge Specifications

600ml Cartridge:

- Weight: Approx. 36 oz
- Yield: Approx. 600 cm³/37in³; 600ml / 21 fluid oz
- Packaging: Cartridges sold in cartons of 12. Each cartridge individually wrapped along with two (2) static mix nozzles.
- (L) Quickset 600ml Dual Cartridge with recommended Static Mix Nozzles
- (R) Quickset 600ml Dual Cartridge shown with Newborn Brothers Model 535 XSP Side by Side Dual Epoxy Applicator. (Shown for illustrative purposes only.)*

* The applicator gun is representative of those available through various manufacturing sources and is not sold through ITW Polymer Technologies.

ITW Polymer Technologies
INDUSTRIAL GROUTS, POLYMERS
AND FOUNDATION SYSTEMS

For all of your critical equipment foundation needs.

130 Commerce Drive, Montgomeryville, PA 18936 USA
P: 215.855.8450 / F: 215.855.4688

Quickset Product Specifications:

COMPRESSIVE STRENGTH:	14,500 psi (101.49 MPa)	ASTM D-695
COMPRESSIVE MODULUS OF ELASTICITY:	347,000 psi (2392.5 MPa)	ASTM D-695
LINEAR SHRINKAGE:	< 0.5%	ASTM D-2566
FLEXURAL STRENGTH:	15,400 psi (106.18 MPa)	ASTM C-580
FLEXURAL MODULUS OF ELASTICITY:	191,000 psi (1316.9 MPa)	ASTM D-580
TENSILE STRENGTH:	8,800 psi (60.67 MPa)	ASTM D-638
TENSILE MODULUS:	191,000 psi (1316.9 MPa)	ASTM D-638
TENSILE LAP SHEAR STRENGTH:	908 psi (6.26 MPa) after 30 min. >1,300 psi (9 MPa) after 7 days	ASTM D-1002
% ELONGATION AT BREAK:	5.9%	ASTM D-638
SPECIFIC GRAVITY OF RESIN:	1.17	
VISCOSITY OF RESIN:	48,800 cps @ 10 RPM using Viscosity Brookfield Viscometer Spindle #3	
SPECIFIC GRAVITY OF HARDENER:	1.66	
VISCOSITY OF HARDENER:	8,800 cps @ 20 RPM using Viscosity Brookfield Viscometer Spindle #3	
MIXED VISCOSITY:	27,000 cps @ 20 RPM using Viscosity Brookfield Viscometer Spindle #3	
GEL TIME @ 75° F (24°C):	15 min 100 gram mass 70 @ 30 Minutes @ 70oF 78 @ 1 Hour 82 @ 4 Hours 84 @ 1 Day	
SHORE D HARDNESS:		
FIRE RESISTANCE:	Self Extinguishing	ASTM D 635
APPLICATION TEMPERATURE:	41°F (5°C) to 95°F (35°C)	
CURE TIME (approximate):	6 hours @ 21° C (70° F)	
POT LIFE:	15 min. @ 21° C (70° F)	
SHELF LIFE:	2 years	
CLEAN UP:	IXT-59 or similar epoxy solvent	
MIXED YIELD:	600 cm ³ (37 in ³); 600ml (21 fluid oz)	

PRE-CONDITIONING: If Quickset cartridges have been stored in cool temperatures or Quickset is to be dispensed in cold work environments, the cartridges should be pre-conditioned to a temperature of at least 65°F to 75° (18°C to 24°C) prior to use. Please consult ITW Polymer Technologies for additional information.

NOTES: ITW Quickset was designed to be installed within 15 minutes after mixing, For effective results, the application where Quickset is used must be of a size that can be completely filled within that time based on the application method chosen. Automatic mixing and dispensing equipment is highly recommended for large volumes.