TYPICAL ANCHORAGE SYSTEM (SPHERICAL) - POST TENSION SYSTEM

STANDARD REFERENCE: FDOT STANDARD PLANS INDEX

1. INSTALL HS BAR CAP BASE AND HS BAR CAP NUT CORRESPONDING TO BAR SIZE.

2. INSTALL VENTS. (SEE NOTE A)

3. PLACE BAR RETAINER CAP OVER GROUT CAP IF REQUIRED. (REQUIRED WHEN COMPLETE ANCHORAGE IS EMBEDDED IN CONCRETE PRIOR TO STRESSING)

4. TENSION FILLER MATERIAL IS GROUT.

5. ANCHORAGE AND TENDON FILLING DETAIL

6. INSTALL CORRECT SIZE HEAT SHRINK OVER DUCT/COUPLER OR DUCT BEARING PLATE CONNECTION PER MANUFACTURER'S RECOMMENDATIONS.

7. INSTALL HS BAR CAP RETAINER NUT CORRESPONDING TO BAR SIZE.

8. INSTALL CORRECT SIZE HEAT SHRINK OVER DUCT/COUPLER OR DUCT BEARING PLATE CONNECTION PER MANUFACTURER'S SPECIFICATIONS.

9. INSTALL VENTS. (SEE NOTE A)

10. PLACE BAR RETAINER CAP OVER GROUT CAP IF REQUIRED. (REQUIRED WHEN COMPLETE ANCHORAGE IS EMBEDDED IN CONCRETE PRIOR TO STRESSING)

NOTES:

a. EPOXY EVERY PERMANENT GROUT HOSE/COUPLER/PLUG THEN THREAD INTO ALL CONNECTIONS.

b. TENSION FILLER MATERIAL IS GROUT.

c. STEP-BY-STEP INSTALLATION PROCEDURE ARE GENERIC, FOLLOW FOOT SPECIFICATIONS AND PROJECT SPECIFIC REQUIREMENTS.

d. HS BAR CAP RETAINER IS ONLY USED WHEN COMPLETE ANCHORAGE IS EMBEDDED IN CONCRETE.

e. TEMPORARY ITEMS DESIGNATED WITH **
SDI 1.38" HS BAR SPHERICAL BEARING PLATE

PART NO.: 65007

MATERIAL: ASTM A 536 GR. 80-55-06 (GALVANIZED)

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 3" = 1'-0"

(2) 3/8" Ø MOUNTING HOLES AT 7" Ø B.C.
WMS. 1.38" HS BAR

PART NO.: 61003
MATERIAL: GRADE 150 HIGH STRENGTH, COARSE THREAD BAR
ACCORDING TO ASTM A722, TYPE II
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"

SCHWAGER DAVIS, INC.
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196 HILSDALE AVENUE
SAN JOSE, CA 95136
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SCHWAGER DAVIS, INC.
POST-TENSION
SYSTEM LIBRARY

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Davis Inc. does not make any judgment or warranty, expressed or
implied, as to the adequacy of the structural design by others
and hereby disclaims any liability for designs of others.
SDI 2" SLIP-ON DUCT COUPLER

PART NO.: 33003
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"
SDI 1.38" HS BAR PERMANENT GROUT CAP

PART NO.: 66001 - SDI HS BAR PERMANENT GROUT CAP BASE
66002 - SDI 1.38" HS BAR PERMANENT GROUT CAP NUT

MATERIAL: NYLON MEETING S-PA0141, S-PA0231, OR S-PA0401

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"
SDI 2" CORRUGATED PLASTIC DUCT

PART NO: 32003
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
MATERIAL MEETS ALL SPECIFICATIONS.
MINIMUM BENDING RADIUS: 8 FT
SCALE: 6" = 1'-0"
HEAT SHRINK TUBING (PLA-63-YE)

PART NO.: 37002

MATERIAL: POLYOLEFIN

TUBULAR SLEEVE DIAMETER: 3.50" [89mm] AS SUPPLIED
2.50" [64mm] FULLY RECOVERED

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"

NOTE: INSTALL PER MANUFACTURE'S RECOMMENDATION
CanusaTube™ - PLA
Tubular sleeve for pipeline corrosion protection

**Product Description**

Canusa Tubes™ are shipped with an inner release liner for protection from contamination.

**Storage & Safety Guidelines**

To ensure maximum performance, store Canusa products in a dry, ventilated area. Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements. Avoid prolonged storage at temperatures above 35°C (95°F) or below -20°C (-4°F). Product installation should be done in accordance with local health and safety regulations.

These installation instructions are intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications.

**Surface Preparation**

Before welding together the carrier pipe, slide the Canusa Tube sleeve at least 1 m away from the cutback area of the joint.

Ensure that the PE coating edges are beveled to 30°. Clean exposed steel and adjacent pipe coating with a solvent cleanser to remove the presence of oil, grease, and other contaminants.

Wipe clean or air blast the steel and pipe coating to remove foreign contaminants.

Ensure that there is no dirt or moisture inside the tube and that the tube is not cut. If the sleeve is not usable, a one-piece Wrapid Sleeve or Canusa Wrap sleeve should be used.

Pre-Heat

Pre-Heat the joint area to a minimum of 60°C (140°F). Using a temperature measuring device, ensure the correct temperature is reached on the steel and at least 50mm (2") on each side of the sleeve.

Sleeve Installation

Using the appropriate sized torch, begin at the centre of the sleeve and heat circumferentially around the pipe. Use broad strokes.

**Equipment List**

- Propane tank, hose, torch & regulator
- Appropriate tools for surface abrasion
- Knife, roller, rags & approved solvent cleanser
- Digital thermometer with suitable probe
- Standard safety equipment; gloves, goggles, hard hat, etc.

**Flame Intensity & Torch Size**

Use moderate flame intensity for pre-heating and shrinking.

Minimum Torch Size: 150,000 BTU/hr.
CanusaTube™ - PLA

**Sleeve Installation**

*13* Continue heating from the centre toward one end of the sleeve until recovery is complete. In a similar manner, heat and shrink the remaining side. With a yellow backing, a pink-orange shade will appear when the proper temperature has been reached.

*14* Shrink has been completed when the adhesive begins to ooze at the sleeve edges all around the circumference. Finish shrinking the sleeve with long horizontal strokes over the entire surface to ensure a uniform bond.

*15* While the sleeve is still hot and soft, use a hand roller to firmly roll the sleeve surface and push any trapped air up and out of the sleeve, as shown above. If necessary, reheat to roll out air.

**Inspection**

*16* Visually inspect the installed sleeve for the following:
- Sleeve is in full contact with the steel joint.
- Adhesive flows beyond both sleeve edges.
- No cracks or holes in sleeve backing.

**Backfilling Guidelines**

*17* After shrinking is complete, allow the sleeve to cool for 2 hours prior to lowering and backfilling. To prevent damage to the sleeve, use selected backfill material, (no sharp stones or large particles) otherwise an extruded polyethylene mesh or other suitable shield should be used.
SDI GROUT PORT PLUG

PART NO.: 55004
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
PRESSURE RATING: 150 PSI
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"

SDI GROUT PORT PLUG

PART NO.: 55004
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
PRESSURE RATING: 150 PSI
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"
1/2" DIAMETER BALL VALVE (TEMPORARY)

PART NO.: 52008
MATERIAL: PVC
PRESSURE RATING: 150 PSI
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 6" = 1'-0"
1" DIAMETER BALL VALVE (TEMPORARY)

PART NO.: 52006
MATERIAL: PVC
PRESSURE RATING: 150 PSI
THREAD SIZE: 1" NPT
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 6" = 1'-0"

1" DIAMETER BALL VALVE (TEMPORARY)

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1\textsuperscript{\textfrac{1}{2}}" NOM. (13mm) GROUT HOSE

PART NO.: 51002

MATERIAL: HDPE

PRESSURE RATING: 150 PSI

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

LENGTH VARIES
3/4" NOM. (23mm) GROUT HOSE

PART NO.: 51001
MATERIAL: HDPE
PRESSURE RATING: 150 PSI
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"

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MSCMSCMHA RELEASE 0 04/03/14
MSCMSCCSM UPDATE 05/26/15
MSCMSCJSAUPDATE 06/18/18
1/2" NOM. (13mm) NPT COUPLER

PART NO.: 53011
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
PRESSURE RATING: 150 PSI
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"

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3/4" NOM. (23mm) NPT COUPLER

PART NO.: 53005
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
PRESSURE RATING: 150 PSI
MATERIAL MEETS ALL PROJECT SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"

3/4" NOM. (23mm) NPT COUPLER

PART NO.: 53005
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
PRESSURE RATING: 150 PSI
MATERIAL MEETS ALL PROJECT SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"
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<td>( \frac{1}{8} ) x ( \frac{1}{8} )</td>
<td>0.359&quot; x 0.637&quot;</td>
<td>( \frac{1}{8} ) FRACTIONAL (0.139&quot; ACTUAL)</td>
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<td>( \frac{1}{8} ) x ( \frac{1}{8} )</td>
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<td>( 3\frac{1}{8} ) x ( 3\frac{1}{8} )</td>
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<td>( 2\frac{1}{8} ) x ( 2\frac{1}{8} )</td>
<td>2.225&quot; x 2.775&quot;</td>
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<td>( 3\frac{1}{8} ) x ( 3\frac{1}{8} )</td>
<td>3.225&quot; x 3.775&quot;</td>
<td>( 3\frac{1}{8} ) FRACTIONAL (0.275&quot; ACTUAL)</td>
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<td>( 4\frac{1}{8} ) x ( 4\frac{1}{8} )</td>
<td>4.100&quot; x 4.650&quot;</td>
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<td>76018</td>
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<td>( 4\frac{1}{8} ) x ( 5\frac{1}{8} )</td>
<td>4.725&quot; x 5.275&quot;</td>
<td>( 4\frac{1}{8} ) FRACTIONAL (0.275&quot; ACTUAL)</td>
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<td>( 5\frac{1}{8} ) x ( 5\frac{1}{8} )</td>
<td>5.350&quot; x 5.900&quot;</td>
<td>( 5\frac{1}{8} ) FRACTIONAL (0.275&quot; ACTUAL)</td>
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<td>( 5\frac{1}{8} ) x ( 6\frac{1}{8} )</td>
<td>5.725&quot; x 6.275&quot;</td>
<td>( 5\frac{1}{8} ) FRACTIONAL (0.275&quot; ACTUAL)</td>
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<td>( 6\frac{1}{8} ) x ( 7\frac{1}{8} )</td>
<td>6.725&quot; x 7.275&quot;</td>
<td>( 6\frac{1}{8} ) FRACTIONAL (0.275&quot; ACTUAL)</td>
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<td>( 7\frac{1}{8} ) x ( 7\frac{1}{8} )</td>
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<td>( 9\frac{1}{8} ) FRACTIONAL (0.275&quot; ACTUAL)</td>
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<td>11.475&quot; x 12.025&quot;</td>
<td>( 11\frac{3}{8} ) FRACTIONAL (0.275&quot; ACTUAL)</td>
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<td>( 2\frac{1}{8} ) x ( 2\frac{1}{8} )</td>
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<td>( 4\frac{1}{8} ) x 5&quot;</td>
<td>4.475&quot; x 5&quot;</td>
<td>( 4\frac{1}{8} ) FRACTIONAL (0.275&quot; ACTUAL)</td>
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WMS. 1.38" HS BAR COUPLER

PART NO.: 64003
MATERIAL: ASTM A 29 GR. C1045
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"

WMS. 1.38" HS BAR COUPLER

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SDI 3" CORRUGATED PLASTIC DUCT

PART NO.: 32004
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
BENDING RADIUS: 8 FT
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 6" = 1'-0"

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SDI BAR CAP RETAINER

PART NO.: 66006

MATERIAL: NYLON MEETING S-PA0141, S-PA0231, OR S-PA0401

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"

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1/2" NOM. (13mm) GROUT TUBE PLUG

PART NO.: 55003
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
PRESSURE RATING: 150 PSI
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"

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3/4" NOM. (23mm) GROUT TUBE PLUG

PART NO.: 550001
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
PRESSURE RATING: 150 PSI
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"

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PP WELDABLE GROUT PORT WITH 3/4" (23mm) GROUT THREAD

PART NO.: 57003
MATERIAL: POLYPROPYLENE
CELL CLASS: PP0340B44541 TO PP0340B67884
PRESSURE RATING: 150 PSI
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"

NOTE: FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS
3/8"-16 BOLT & WASHER

PART NO.: 77002 - SDI 2.6A-PC PERMANENT CAP BOLTS (L= 5")
77004 - SDI 12.6-PC PERMANENT CAP BOLTS (L= 2.5")
77006 - SDI 22.6-PC PERMANENT CAP BOLTS (L= 3")
77008 - SDI 4.6A-PC PERMANENT CAP BOLTS (L= 5")
77010 - SDI 1.38-PC PERMANENT CAP BOLTS (L= 1.5")

MATERIAL: STAINLESS STEEL, TYPE 316 ACCORDING TO ASTM F593
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 1'-0" = 1'-0"

WASHER MAY VARY FROM 0.04" TO 0.06" IN THICKNESS

MATERIAL VARY FROM 0.04" TO 0.06" IN THICKNESS

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Product Description

POLY-TEMP® MD Medium Density Thread Seal Tape is a general purpose PTFE Thread Seal Tape designed to be used on all types of metal and plastic pipe threads.

Our POLY-TEMP® Tapes are made from 99.9% virgin PTFE resins for optimum purity and performance. POLY-TEMP® MD Medium Density Thread Seal Tape is malleable to easily conform to thread profiles to ensure a positive seal.

Because POLY-TEMP® MD Medium Density Thread Seal Tape is composed of pure PTFE, it touts an extremely broad range of chemical compatibilities and is unaffected by most chemicals and concentrations.

POLY-TEMP® MD Medium Density Thread Seal Tape is our most popular grade of thread sealing tape and has been Industry Leader for over 30 years.

Features & Benefits

- Meets FDA and USDA requirements
- UL Listed
- Ideal for all tapper thread connections
- PTFE’s high lubricity makes for easy assembly
- Only 3 wraps need for most applications
- Chemically inert, non-Toxic
- Suitable for oxygen service
- Our most popular grade of Thread Seal Tape
- Easy to handle and apply
- Temperature range from -400F to 550F ( -240C to 287C)
- Pressures up to 10,000psi (Liquid), 2000 psi (Gas)
- Connections can be put into service right away, no dry time
- Never dries out and an unlimited shelf life.
- Meets MIL-T-27730A
- Extremely versatile.

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Thickness</td>
<td>3.5 mils</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.7 to 0.8g/cc</td>
</tr>
<tr>
<td>Toxicity</td>
<td>Non toxic</td>
</tr>
<tr>
<td>RoHS</td>
<td>Compliant</td>
</tr>
</tbody>
</table>

Cautions

Read all information on labels and Material Safety Data Sheets prior to use. All products should be tested and evaluated for a particular purpose prior to use.

Product Limited Warranty

This information is based on information we believe to be reliable and accurate, but no guarantee of its accuracy is made for a particular application. We urge and recommend that Users pretest their application prior to incorporating the product into use and assume that the User will conduct such testing. Also see warranty statement on website.

Available In:

Size: ¼"x60" ¼"x520" ½"x260" ½"x520" ¼"x1296"
P/N: 16006 16025 16030 16035 16040

Size: ¼"x260" ½"x520" 1"x260" 1"x520"
P/N: 16045 16050 16055 16060

Size: Counter Display ¼"x260" 1/2"x520" ¼"x520"
P/N: 16030A 16035A 16050A

POLY-TEMP® IS A REGISTERED TRADEMARK OF ANTI-SEIZE TECHNOLOGY
SET High Strength Epoxy-Tie® Anchoring Adhesive

SET Epoxy-Tie® epoxy is a two-component, 1:1 ratio, high solids, epoxy-based adhesive for use as a high strength, non-shrink anchor grouting material. Resin and hardener are dispensed and mixed simultaneously through the mixing nozzle. SET meets or exceeds the requirements of ASTM C-881 specification for Type I, II, IV and V, Grade 3, Class B and C.

USES

- Threaded-rod anchoring
- Rebar doweling
- Bonding hardened concrete to hardened concrete
- Pick-proof sealant around doors, windows and fixtures
- Paste-over for crack injection

CODE REPORTS

- ICC Evaluation Service ESR-1772 (formerly ICBO-ES ER-5279) (PDF) (CMU & URM)
- City of L.A. RR25279 (PDF)
- Caltrans approved
- Florida Statewide Product Approval FL.11506.4
- multiple DOT listings
- NSF/ANSI Standard 61 (216 in²/1000 gal) (PDF), except SET1.7KTA
- SET-PAC EZ™ adhesive covered by ICC-ES, City of L.A. and NSF/ANSI listings only

The load tables list values based upon results from the most recent testing and may not reflect those in current code reports. Where code jurisdictions apply, consult the current code reports.

LINKS:

- Supplemental Topics for Adhesive Anchors
- Estimating Guide
- Limited Warranty Information
- Tension and Shear Load Tables
- Load-Adjustment Factors
- Documents:
  - Anchor Catalog Section (PDF)
  - Product Submittal (PDF)
  - Material Safety Data Sheet: SET (PDF)
  - Material Safety Data Sheet: SET en Español (PDF)
  - SET-PAC-EZ™ Epoxy-Tie® Anchoring Adhesive Flier (PDF)
  - Rebar Yield and Tensile Strength Embedments Technical Bulletin (PDF)
  - Rebar Yield and Tensile Strength Embedments (Canada) Technical Bulletin (PDF)
  - Anchor Tension Loads in Masonry Chair Block Technical Bulletin (PDF)
- Free Software:
  - Anchor Designer
  - Adhesive Cartridge Quantity Estimator
APPLICATION

Surfaces to receive epoxy must be clean. For installations in or through standing water, see Supplemental Topics for Adhesive Anchors for details. The base material temperature must be 40° F or above at the time of installation. For best results, material should be 70° - 80° F at the time of application. Cartridges should not be immersed in water to facilitate warming. To warm cold material, the cartridges should be stored in a warm, uniformly heated area or storage container for a sufficient time to allow epoxy to warm completely. Mixed material in nozzle can harden in 5-7 minutes at a temperature of 40° F or above.

TEST CRITERIA

Anchors installed with SET Epoxy-Tie® adhesive have been tested in accordance with ICC-ES's Acceptance Criteria for Adhesive Anchors (AC58) for the following:

- Seismic/wind loading
- Long-term creep at elevated-temperature
- Static loading at elevated-temperature
- Damp and water-filled holes
- Freeze-thaw conditions
- Critical and minimum edge distance and spacing

In addition, anchors installed with SET Epoxy-Tie® adhesive have been tested in accordance with ICC-ES's Acceptance Criteria for Unreinforced Masonry Anchors (AC60).

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consistency</td>
<td>ASTM C 881</td>
<td>Non-sag/thixotropic paste</td>
</tr>
<tr>
<td>Heat deflection</td>
<td>ASTM D 648</td>
<td>136° F (58° C)</td>
</tr>
<tr>
<td>Bond strength (moist cure)</td>
<td>ASTM C 882</td>
<td>3,218 psi (2 days) 3,366 psi (14 days)</td>
</tr>
<tr>
<td>Water absorption</td>
<td>ASTM D 570</td>
<td>0.110% (24 hrs)</td>
</tr>
<tr>
<td>Compressive yield strength</td>
<td>ASTM D 695</td>
<td>5,065 psi (24 hours) 12,650 psi (7 days)</td>
</tr>
<tr>
<td>Compressive modulus</td>
<td>ASTM D 695</td>
<td>439,000 psi (7 days)</td>
</tr>
<tr>
<td>Gel time (75° F)</td>
<td>ASTM C 881</td>
<td>30 min - 60 gram mass 60 min - thin film</td>
</tr>
</tbody>
</table>

ACCESSORIES / RELATED PRODUCTS

- Dispensing Tools
- Mixing Nozzles
- Plastic Anchoring Screens
- Steel Anchoring Screens
- Hole Cleaning Brushes

SUGGESTED SPECIFICATIONS

Anchoring adhesive shall be a two-component high-solids epoxy based system supplied in manufacturer's standard cartridge and dispensed through a static-mixing nozzle supplied by the manufacturer. Epoxy shall meet the minimum requirements of ASTM C-881 specification for Type I, II, IV, and V, Grade 3, Class B and C and must develop a minimum 12,650 psi compressive yield strength after 7 day cure. Epoxy must have a heat deflection temperature of a minimum 136°F (58°C). Adhesive shall be SET Epoxy-Tie® adhesive from Simpson Strong-Tie, Pleasanton, CA. Anchors shall be installed per Simpson Strong-Tie instructions for SET Epoxy-Tie® adhesive.

ASD DESIGN EXAMPLE

For design example, click here.

INSTALLATION

IMPORTANT For installation instructions, click here.

SHELF LIFE

24 months from date of manufacture in unopened side-by-side cartridge. SET-PAC EZ™ cartridge - 24 months from date of manufacture, unopened.

STORAGE CONDITIONS

For best results store between 45° F - 90° F. To store partially used cartridges, leave hardened nozzle in place. To re-use, attach new nozzle.

COLOR

Resin – white, hardener – black
When properly mixed SET adhesive will be a uniform light gray color.

CLEAN UP

Uncured material – Wipe up with cotton cloths. If desired scrub area with abrasive, waterbased cleaner and flush with water. If approved, solvents such as ketones (MEK, acetone, etc.), lacquer thinner or adhesive remover can be used. DO NOT USE SOLVENTS TO CLEAN ADHESIVE FROM SKIN. Take appropriate precautions when handling flammable solvents. Solvents may damage surfaces to which they are applied. Cured material – Chip or grind off surface.

CHEMICAL RESISTANCE
Very good to excellent against distilled water, inorganic acids and alkalis. Fair to good against organic acids and alkalis, and many organic solvents. Poor against ketones. For more detailed information download Technical Bulletin T-SAS-CHEMRES08 (PDF).

**SET Cartridge Systems**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity (cubic inches)</th>
<th>Cartridge Type</th>
<th>Carton Quantity</th>
<th>Dispensing Tool(s)</th>
<th>Mixing Nozzle</th>
</tr>
</thead>
<tbody>
<tr>
<td>SET1.7KTA</td>
<td>1.7 (3.1)</td>
<td>side-by-side</td>
<td>12</td>
<td>Adaptor included for standard caulking tool</td>
<td>EMN1.7 (2 included)</td>
</tr>
<tr>
<td>SET-PAC-EZ</td>
<td>8.5 (16.2)</td>
<td>single</td>
<td>12</td>
<td>CDT10 or high quality standard caulking tool</td>
<td>2 included</td>
</tr>
<tr>
<td>SET22</td>
<td>22 (39.7)</td>
<td>side-by-side</td>
<td>10</td>
<td>EDT22B, EDT22AP, or EDT22CKT</td>
<td>EMN22i</td>
</tr>
<tr>
<td>SET56</td>
<td>56 (101.1)</td>
<td>side-by-side</td>
<td>6</td>
<td>EDT56AP</td>
<td>EMN22i or EMN50</td>
</tr>
</tbody>
</table>

1. Bulk containers also available, contact Simpson Strong-Tie for details.
2. Cartridge and bulk estimation guides are available.
3. Detailed information on dispensing tools, mixing nozzles and other adhesive accessories is available.
4. Use only appropriate Simpson Strong-Tie mixing nozzle in accordance with Simpson’s instructions. Modification or improper use of mixing nozzle may impair epoxy performance.

**Cure Schedule**

<table>
<thead>
<tr>
<th>Base Material Temperature</th>
<th>Cure Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>°F</td>
<td>°C</td>
</tr>
<tr>
<td>40</td>
<td>4</td>
</tr>
<tr>
<td>65</td>
<td>18</td>
</tr>
<tr>
<td>85</td>
<td>29</td>
</tr>
<tr>
<td>90</td>
<td>32</td>
</tr>
</tbody>
</table>

**In-Service Temperature Sensitivity**

<table>
<thead>
<tr>
<th>Base Material Temperature</th>
<th>Percent Allowable Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>°F</td>
<td>°C</td>
</tr>
<tr>
<td>40</td>
<td>4</td>
</tr>
<tr>
<td>70</td>
<td>21</td>
</tr>
<tr>
<td>110</td>
<td>43</td>
</tr>
<tr>
<td>135</td>
<td>57</td>
</tr>
<tr>
<td>150</td>
<td>66</td>
</tr>
<tr>
<td>180</td>
<td>82</td>
</tr>
</tbody>
</table>

1. Refer to temperature sensitivity chart for allowable bond strength reduction for temperature. See Supplemental Topics for Adhesive Anchors.
2. Percent allowable load may be linearly interpolated for intermediate base material temperatures.
3. °C = (°F-32) / 1.8