



Osmose[®]

ANSWER SHEET

OSMOWELD[®] POST PILING KIT

Each kit contains Osmoweld, the proven 2-part epoxy system for timber bridge repair

1. **What is It?** The Osmose Posting Kit is a self-contained, easy to carry package, that includes every item necessary to post 1 pile section containing 2 joints.

2. **What's In The Kit?**

Each Pile Posting Package Contains:

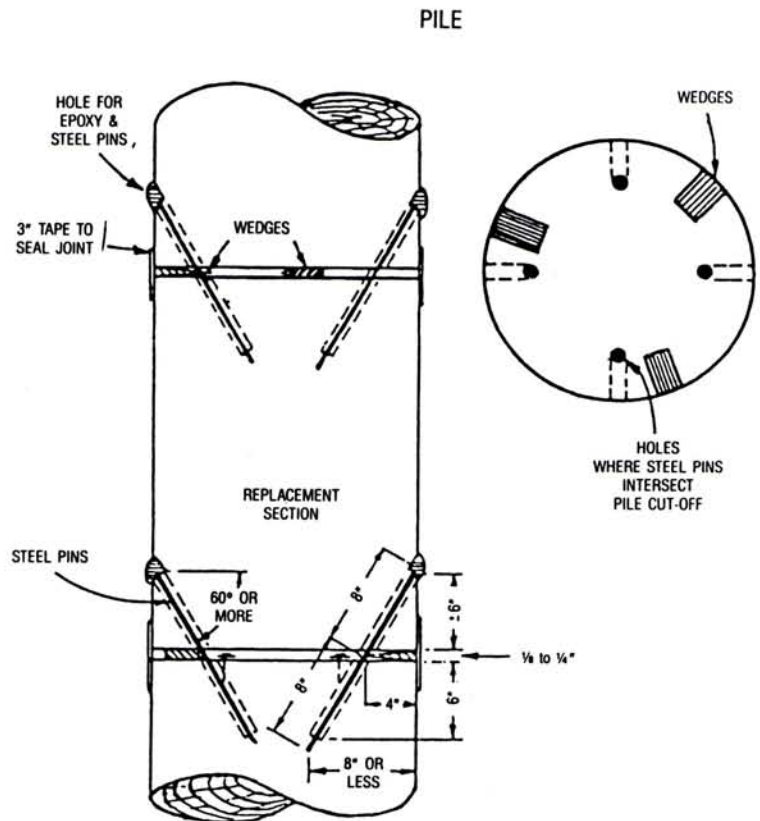
- 8 tubes of Osmoweld & 2 mixing rods
- 6—1x3 treated wooden wedges
- 2 rolls of clear pressure sensitive tape 3" x 108" each
- 8— $\frac{3}{8}$ " x 16" Fluted Steel Dowel Pins
- 200' of wire to Secure Tape at Joints
- Comprehensive directions & diagrams for simplified Posting

3. **How Can I Buy Them?**

By simply calling the Osmose R. R. Div. 1-800-356-5952

4. **What Do They Cost?**

Kits sell for



5. **What's The Real Benefit for Me?** Savings in time & money, by the simplified ordering, delivery and use of a complete Osmose Pile Posting Kit.

See Other Side for technical data

Osmoweld

Epoxy resins have demonstrated remarkable characteristics of strength and adhesion which are finding ever-increasing uses in industry. Osmoweld is a specially designed compound which, when cured, is stronger than wood and can be sawn, drilled, sanded, and painted. Nails and screws cannot be applied in the same manner as they can be to wood, but they can be coated with Osmoweld and inserted into pre-bored holes, for superior holding qualities.

1. **Uses** —Industrial heavy-use applications are practically limitless in that Osmoweld possesses such high strength characteristics and bonds to most other materials including wood, steel and concrete. It also sets up and bonds well when applied to wet surfaces and even under water.

The most common and major uses employed by railroads and utilities to date include the following:

- Posting (splicing) piling.
- Shimming to improve load-bearing characteristics.
- Filling voids, checks, cracks, splits, and repair of mechanical damage.
- Repairing woodpecker holes in poles and piling.
- Patching concrete. This is worthy of special note in that concrete cracks do not have to be chipped out—only made reasonably clean and free of loose particles.
- Repair of pipe leaks or metal machinery casings.

2. **Packaging** —Both the hardener and the resin compounds are contained in a standard 12-oz. caulking tube. Just prior to use, they are mixed in the tube by means of a special gasket and mixing tool—one each of which is included in every carton. Mixing can be performed by hand, but the preferable and faster method employs the use of a ¼" electric drill.

3. **Storage** —Cartons of Osmoweld must be stored upright in moderate temperature. Excessive heat or rough handling may cause failure of seal between components. Shelf life of Osmoweld is approximately one year.

4. **Temperature Range** —Prior to mixing, contents of tube should be 50° F. or higher. After Osmoweld is properly mixed, it can be applied

and will set up at temperatures as low as 35° F. Various simple methods can be employed to keep the material "warm" in cooler temperatures. Setup time at 70° F. is in the 20-minute range; this period lengthens if the temperature of the material is cooler and is shorter at higher temperatures. Also, the greater the mass or thickness, the higher the internal temperature—and the faster the setup time.

5. **Test Data** —An independent laboratory, Pittsburgh Testing Laboratory, obtained the Osmoweld data listed below. Wood control values are obtained from Forest Products Laboratory Technical Bulletin No. 479. Compression strength of Osmoweld as compared to various species of wood as expressed in pounds per square inch is:

OSMOWELD	WOOD CONTROLS		
	S. Y. Pine	W. R. Cedar	Fir
9,255	7,625	4,360	4,660

6. **Some Tips on Use** —Without any exception of which we know, people actually mixing and using Osmoweld become extremely enthusiastic about its characteristics following first exposure to it. Here are a couple of tips that have proven satisfactory in the field.

Keep a supply of denatured alcohol on hand as a cleaning agent. Since the material does not adhere to polyethylene film, that material serves as a good surfacing over cardboard or wooden forms to prevent slump prior to setup in certain instances. Masking tape (industrial grade) can serve the same purpose and is easily removed after setup if desired. At 70° F., each 12-oz. tube results in about 18 cubic inches of void capacity. This capacity can be extended to twice that amount through the use of "fillers" such as treated wood spacer strips, clean wood blocks, clean gravel aggregate, etc. without appreciably affecting strength.