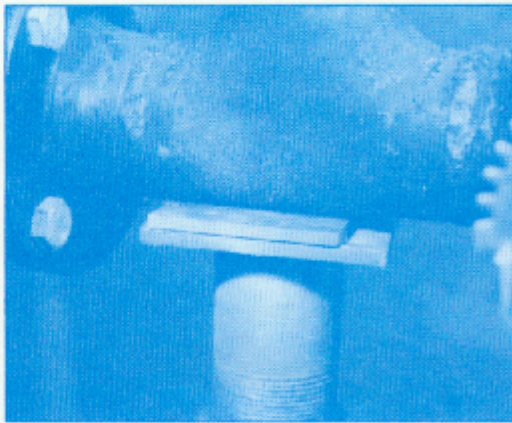
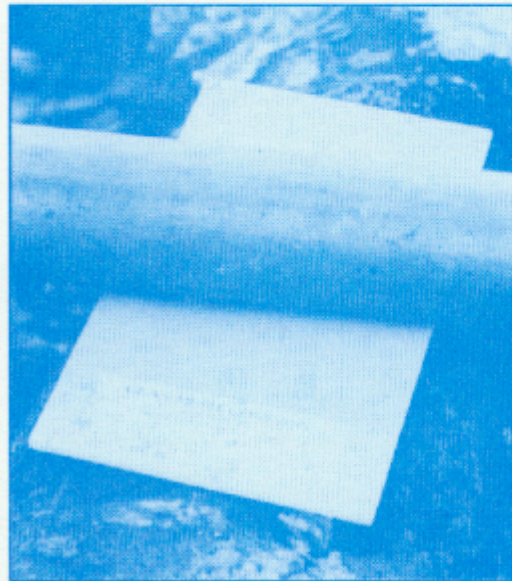


Fiberglas Reinforced FRP FLATTIES



Isolate valves from supports.



Prevent or correct underground contacts between mains.

FRP FLATTIES have numerous applications in the natural gas distribution and transmission, and liquid pipeline industries:

- Eliminate or correct above-or below-ground metal-to-metal electrical contact shorts (particularly on underground steel mains).
- Custom fitting as non-corrosive, non-conductive spacers or shims.
- A standard product for spacing, isolating or protecting pipes and valves from their supports.
- FLATTIES provide ideal protection for coated tank bottoms.
- FLATTIES tolerate "point loading" and are very resistant to "cold flow", they will not become brittle at cold temperatures. (Non-reinforced materials such as polyethylene, PVC, neoprene rubber, etc. are very susceptible to cold flow in "point loading" situations.)

1/16" FRP FLATTIES being used to prevent contact between valve and metal curb box.

FRP FLATTIES are made of a select combination of random glass mat reinforcements saturated with polyester resins combined with suitable fillers. These composites are cured and compressed under moderate pressure to form smooth dense laminates.

FRP FLATTIES are available off the shelf in 1/16", 1/8", 1/4" and 1/2" thicknesses. Standard sizes include:

- 12" x 12" square
- 6" x 12"
- 3' x 6' or 4' x 8' sheets



Glas Mesh FRP FLATTIES can be **custom fabricated** and sized to fit your own requirements and specifications.

STANDARD FRP FLATTIES TECHNICAL INFORMATION

PHYSICAL PROPERTIES	ASTM TEST METHOD	VALUES
Tensile Strength - psi	D638	10,000
Flexural Strength - psi	D790	23,000
Compressive Strength - psi	D695	30,000
Impact Strength		
Izod Edgewise - ft. lbs./in. notch	D256	8.0
Shear Strength - psi	D732	14,000
Dielectric Strength - Perpendicular to Lamination, Short time - VPM in Oil	D149	350
Dielectric Constant @ 60 Hz	DS150	4.80
Dielectric Constant @ 1MHz	D150	4.30
Arc Resistance - seconds	D495	150

**Please call or write.
We will be glad to quote on
specific thicknesses or non-standard sizes,
thicknesses or widths.
Materials available on a blanket
or as needed basis.**

