



Product:
Project:
Supplied By:
Quotation #:
Date:

**PRODUCT SPECIFICATION
FRP STAFF GAUGE**

FRP Staff Gauge

VIRTUAL POLYMER COMPOUNDS, LLC

PART ONE - GENERAL INFORMATION

1.01 FURNISH _____ (QTY) FRP STAFF GAUGE(S), _____ INCHES WIDE: _____ FEET IN LENGTH: _____

THE GAUGE WILL READ VERTICALLY UP FROM (ELEVATION FROM BOTTOM OF GAUGE)
_____ TO (ELEVATION TO TOP OF GAUGE) _____.

GRADUATIONS BY THE (HUNDRETHS, TENTHS OR INCHES): _____. COLORING IS A WHITE
BACKGROUND WITH BLACK GRAPHICS.

1.02 Specification section that may relate to this work:

A. Section 13411 - Water Monitoring Equipment

1.03 References and related standards:

- A. ANSI/AWWA F101 - Contacted molded, Fiberglass-Reinforced Plastic Wash Water Troughs
- B. ASTM D 256 - Standard Test Method for Determining Pendulum Impact Resistance of Notched Specimens of Plastic.
- C. ASTM D 638 - Standard Test Method for Determining Tensile Properties of Plastic
- D. ASTM D 790 - Standard Test Method for Determining Flexural Properties of Plastic
- E. ASTM D 2583 - Standard Test Method for Determining the Surface Hardness of Plastic using a Barcol Instrument.
- F. ASTM D 648 - Standard Test Method for Determining the Distortion of Plastic under controlled Exposure to Elevated Temperatures

1.04 Submittals

Submit under the provisions of Section 01300.

PART TWO - PRODUCT

2.01 PRODUCTS

- A. Product supplied by Virtual Polymer Compounds, LLC; 10478 Ridge Road, Medina NY 14103; Tel. (585)735-9668.
- B. Request for substitution will be considered only if submitted and approved in advance of bid date. Substitution request must include evidence that the product meets all standards submitted herein; that the manufacturer has ten years of experience fabricating the product; there is a complete quality assurance program in place such as ISO 9001.
- C. Substitution not submitted in and approved bid date will not be considered.

2.02 MATERIAL OF CONSTRUCTION

- A. Flexcon® 0M500 Clear; Top exposed surface will be matte clear polyester film coated with a permanent pressure sensitive acrylic adhesive.
- B. Flexcon® V400F; Printable high gloss flexible vinyl film coated with a permanent acrylic pressure sensitive adhesive.
- C. The material will meet or exceed the following standards:
 - 1. High Temperature Limit 150 F
 - 2. Chemical Resistance ANSI/AWWA F101 Type II

2.03 METHOD OF CONSTRUCTION

The material will be composed of Adhesive backed computer printed sheets integral to the fiberglass.

PART THREE – EXECUTION

3.01

Carefully remove gauge from original packaging only at the time of installation. Examine the gauge completely and report any damage to the unit prior to installation.

3.02

Verify that the dimensions of the gauge are correct and located at the measuring point. Report any anticipated problems at once.