

SECTION 12345 – LABORATORY CASEWORK AND RELATED PRODUCTS

PART 2: PRODUCTS

2.05 SINKS AND DRAIN TROUGHS

A. MATERIALS:

1. Molded Epoxy Resin Sinks (KEMRESIN):
Sinks shall be molded of modified epoxy resin, carefully compounded with selected materials to provide maximum physical and chemical properties. Sinks shall be non-glaring with all inside corners coved and the bottom pitched to the drain outlet. Sinks shall possess a high resistance to mechanical and thermal shock.
2. Stainless Steel Sinks:
Stainless steel sinks shall be Type 304 stainless steel, except in photographic developing sinks where Type 316 stainless steel shall be used. All exposed surfaces shall be finished in a No. 4 finish. Sinks shall be 18 gauge metal unless heavier gauges are specified or dictated by construction requirements. All sink joints shall be continuously welded by the heliarc welding process. Inside radii shall be 1-1/8". Bottoms shall be pitched to the drain indent. Sink bowl shall be so welded to the top as to form an integral part thereof where sinks are built into stainless steel tops or working surfaces. Top edges of free standing sinks shall be formed into a channel formation with all joints welded and ground smooth and polished. No soldering will be permitted in connection with sink construction. Stainless steel sinks shall be furnished with crumb cup strainers unless otherwise specified.
3. Molded Epoxy Resin Cup Drains (KEMRESIN):
Molded Epoxy Resin cup drains shall be molded in one-piece of the same resin as specified for Molded Epoxy Resin sinks. They shall have an integral mounting flange and a 1-1/2" I.P.S. male straight thread outlet.
4. Polyethylene Cup Drains:
Molded polyethylene cup drains shall be molded in one-piece of acid-resistant polyethylene. They shall have an integral mounting flange and an integral tailpiece with an 1-1/2" I.P.S. male straight thread outlet.
5. Molded Epoxy Resin Drain Troughs (KEMRESIN):
Molded Epoxy Resin drain troughs shall be molded of the same resin as specified for Molded Epoxy Resin sinks. Troughs shall have not less than 1/8" per foot pitch to the drain or discharge end. For ease of cleaning, the junction between the sides and bottom shall be seamless and have not less than a 3/4" radius.