Quantum PM™ Press Mounts FOR HEAVY DUTY PRESSES

UNISORB® Quantum PM™ Press Mounts for heavy duty presses eliminate the need to anchor machines to the floor. They solve impact-shock and vibration problems while providing precision leveling and alignment for trouble-free operation.

They have extra heavy-duty construction with broad bases and larger diameter leveling bolts. Designed for use with reciprocating or impact machinery, they provide close tolerance leveling adjustment. The mounts come with appropriately designed resilient isolation pads.

These self-contained leveling mounts simplify machinery installation. No drilling, lagging, adhesives, or shims are required. Accurate leveling is obtained simply by turning the leveling bolt. Once adjusted, a lock nut holds the adjustment secure. Quantum PM Press Mounts absorb shock and vibration while reducing noise. When properly installed, they eliminate excessive gill wear, die damage and other alignment related problems. They meet OSHA standards for anchoring machinery.

By property utilizing UNISORB® Quantum PM Press Mounts, excessive press motion can be eliminated and uneven weight distribution can be compensated for to prevent frame distortion, which is a major cause of early machine failure.

Quantum PM™ Press Mounts can usually be installed on existing shop floors. Heavy, unbroken concrete floors, preferably reinforced and resting on a good base, are desirable. Isolation features of the press mounts result in elimination of floor damage. At the same time they reduce interference of nearby equipment due to press shock and vibration.

A variety of shock pads, bolt lengths and bolt diameters are available to meet the requirements of almost any press application. Contact UNISORB Engineering for recommendations.

Summary of Benefits
- Reduce installation costs.
- Easy leveling and fast, accurate alignment.
- Control shock and vibration.
- Increase die life and decrease press wear.
- Minimize expensive downtime and maintenance.
- Achieve better press productivity.
- Rugged high strength mount construction.
- All elastomeric isolation pad configurations.
- Elimination of anchor bolts.
- Reduce need for special foundations.
- Reduce operator fatigue.
- Reduce motor loads.
- Uneven floors accommodated.
- Press "walking" prevented.

FOR CEMENTITIOUS GROUTING

Grouting should be done following established concreting procedures in accordance with the recommendations of the American Concrete Institute.

PREPARATION - All grout contact surfaces must be cleaned of all oil, grease, scale, etc. Unsound concrete should be chipped out, leaving surface level, but rough. ALL GROUT CONTACT SURFACES SHOULD BE PRE-SOAKED THOROUGHLY FOR 24 HOURS PRIOR TO GROUT PLACEMENT.

This will insure that the existing foundation does not pull water from the newly placed grout at a rapid rate, which could interfere with proper curing. Excess standing water should be removed prior to grout placement. This pre-soaking requirement is particularly important when working with new "green" foundations or floors.

FORMING - Must provide for rapid continuous placement of grout. Adequate clearance for grout placement and head must be provided. Adequate venting to prevent air entrapment must also be provided. A minimum grout thickness of 1/4" under base plates is required.

MIXING - V-1 and V-2 grout can be mixed in a concrete mixing pan or in an agitator-type power mixer. Follow water mixing ratio recommended on the bag.

MIX AS FOLLOWS - Add 1/3 water requirement. Add grout, mix partially, then add remainder of water and mix thoroughly for 2-3 minutes.

PLACEMENT - V-1 and V-2 can be placed by pouring or pumping. It is recommended that the fluid material be rodded thoroughly or vibrated to minimize the possibility of air being trapped. Place grout from one side of cavity so it flows uniformly against adjacent and opposite sides.

CURING - Forms may be removed after initial set (3 to 4 hours). At this point, final finishing may be done. No capping or painting is required.

PREVENT RAPID WATER LOSS BY COVERING WITH WET BURLAP FOR THE FIRST 48 HOURS AFTER INITIAL SET. CURING, SEALING, AND BONDING COMPOUNDS ARE NOT REQUIRED FOR MOST APPLICATIONS.

TEMPERATURE CONSIDERATIONS

The higher the temperature, the faster the set; the lower the temperature, the slower the set. Normal winter and summer concreting procedures should be observed in temperatures between 40°F and above 90°F.

Physical properties shown are the result of independent laboratory testing performed per industry recognized test procedures. Laboratory properties aid in determining suitability of this product for the intended application. Field test results may vary due to procedures or ambient conditions such as temperature and humidity. Laboratory reports are available on request.

UNISORB® CEMENTITIOUS GROUTS