



QUALITY ASSURANCE PROTOCOL FOR URETHANE GEL INSTALLATION

- I. Sequence of construction to be completed before installation of urethane gel and/or hepa filters.
 - A. All-over head construction and exterior walls complete.
 - B. Laminar flow units assembled and installed in room (no hepas).
 1. Check grid for level
 - C. Wall panels, T-grid and ceiling panels, if needed, installed.
 - D. Sprinkler systems and safety systems charged and tested.
 - E. DI water if needed.
 - F. In-house vacuum system, if needed, installed.
 - G. Flooring installed.
 - H. All caulking complete.
 1. Surface Preparation
 - a. It is very important that prior to installation of gel, the gel track be clean and dry. All grid intersections and penetrations need to be checked to insure a leak-free system. An adequate time is needed to allow for drying prior to pouring gel (min. 24 hours). Do not install more than is needed to seal track. Excessive amounts of sealer could interfere with the knife-edge of filter sealing into the gel.
 - I. Blow-down of HVAC systems complete.
 - J. Complete wipe-down of units, walls and floors.
 - K. All construction items must be completed, including all "PUNCH LIST" activities prior to urethane gel or hepa filter installation.
 - L. Cleanroom shall be in an intermediate phase defined as (NO visible contamination) before installation of urethane and/or hepa filters.
 - M. Take a sample amount of Biomed Gel CRG 246/E-Z MixPak System by adding the *Touch of Blue*[™]. Mix thoroughly until the gel is uniformly blue. Allow gel to fully cure. When the sample is approved by the Project Manager, the gel is ready to install in the filter grid system
- II. All tradesmen from this point on entering the cleanroom will be provided with disposable cleanroom garments consisting of shoe covers, head covers, and frocks.
- III. All cleanroom flooring and/or any installed cleanroom machinery will be covered with non-static visqueen, prior to gel pouring equipment being moved into the cleanroom.
- IV. All gel pouring equipment and/or materials will be wiped down prior to entering the cleanroom.