



Freeman Styro Adhesive

Description

Freeman Styro Adhesive is a single component, water-based latex-rubber adhesives used for building up styrofoam foundry patterns. This adhesive is specially formulated for the lost foam process of producing metal castings using styrofoam patterns. Freeman Styro Adhesive features a light-bodied viscosity that is sag resistant for ease of application on vertical surfaces. This adhesive will not soften, dissolve, or score the styrofoam. It is however designed to penetrate the pores of the Styrofoam surface creating an impenetrable bond. The bond also exhibits excellent resistance to moisture and heat.

Physical Properties

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| Color | Beige |
| Viscosity, (cps) | 3,800 |
| Weight per gallon, (lbs.) | 7.6 |
| Density, (g/cc) | 0.90 |
| Volumetric Yield, (in. ³ /lb.) | 30.7 |
| Working Time, (min) | 15 |
| Cure Time @ 75°F, (hours) | 24 |
| Shelf Life | 6 months |

Application:

Freeman Styro Adhesive may be applied by brush, spatula, or squeegee. If necessary, it may be thinned by adding water. Start by applying adhesive to one surface of the pattern that is to be bonded and immediately join counterpart. Once positioned apply light pressure to set adhesive. The bond will cure rapidly. In most cases the initial set is sufficient to immediately proceed with the assembly of the pattern. In applications where machining is required post lamination this can be done after allowing to set for X hours. Adhesive full strength is obtained with an overnight cure at room temperature.

The user shall determine the suitability of this product for their application and assumes all risks and liabilities associated with the use of this product. The exclusive remedy for all proven claims is replacement of our materials only and in no event shall Freeman Mfg. & Supply Co. be liable for special, incidental, or consequential claims.

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