



TECHNICAL BULLETIN No. 1002

DATE: AUGUST 7, 1998 **Revised APRIL 18, 2002**

SUBJECT: R-TECH™ USE WITH SINGLE PLY MEMBRANES

Insulfoam R-TECH insulation is being used in numerous roofing assemblies across the country. In particular, the use of R-TECH in both 4x8 sheets and our fanfold product as underlayment's and recovery boards are providing exceptional roof systems. Contractors are finding that the R-TECH product provides them with a cost effective, easy to install insulation that provides the protection that a membrane needs in recover applications.

Insulfoam-Technical Center has tested several thicknesses over various substrates and the compatibility of R-TECH with the various types of single ply membranes currently available in the market place. Insulfoam recommends that a minimum 3/8" thickness of Type VIII R-TECH be used in recover applications. Standard R-TECH facers were shown to be compatible with EPDM, TPO, CSPE, and Elvaloy based membranes. PVC membranes were also evaluated. Accelerated aging testing has shown that Insulfoam R-TECH with proprietary roofing facers for PVC membranes provides an excellent substrate PVC and alloy membranes that typically require a slip sheet to be used in conjunction with styrene insulation's. Our testing, as well as the testing of several manufactures of PVC type single-ply, has shown that our laminate provides an interface that meets plasticizer migration specifications for industry separator sheets.

In short, R-TECH has proven to be an excellent substrate for all types of single ply membranes. As always should the reader have questions or would like to discuss the use and application of R-TECH or any of Insulfoam EPS insulations feel free to call Insulfoam-Technical Center at 1/800-468-8870.

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