



TECHNICAL BULLETIN

TECHNICAL BULLETIN # 1028

SUBJECT: OMG RHINOBOND® AND INSULFOAM ROOF INSULATIONS

DATE: JUNE 24, 2016

The OMG Rhinobond is a system of attaching insulation and Thermoplastic (TPO and PVC) roofing membranes using specialty adhesive coated plates and inductive welders. The magnetic inductive welder heats up the plate and membrane to provide a strong non penetrating attachment of roofing membranes. In the past the heat produced through the inductive welding raises the temperature of the plate sufficiently to effect the R-Tech® roofing underlayment and our InsulFoam SP® products and therefore the application was not acceptable.

OMG has developed a method of utilizing the Rhinobond system over R-Tech Roofing Underlayment and Insulfoam SP. This has been accomplished by adding their new Rhinobond 102mm Cardboard Disk under the adhesive RhinoBond Plate.

This system using the separation disk has been thoroughly tested by the Insulfoam Technical Center and OMG. At the Insulfoam Tech Center both the PVC and TPO systems were evaluated at elevated ambient temperatures (100° F) at the maximum setting on the induction welder. No deleterious effects were noted when these test were conducted over R-Tech Roofing Underlayment or InsulFoam SP. Based on the results of this testing and several test projects the Rhinobond attachment system using separator plates is now approved for R-Tech and SP.

Although these tests were conducted at the maximum settings for the induction welder instructions should be followed to assure proper bonds are achieved and the membrane is not overheated. Membrane manufacturer and OMG recommendations should be followed for the frequency of fasteners required to attain the needed uplift resistance.

InsulFoam HD Composite or Insulfoam roof insulation that has a field or factory applied cover board does not require the use of separation plates when used in conjunction of the Rhinobond system.