



SUPERIOR PRODUCTS INTERNATIONAL II, INC.

9/20/2012

PREPARATION FOR FLAT SURFACES:

HSC and HPC will develop a char at around 350 F (176 C). This char is expected at these temperatures, but must be allowed for. Resins within the coating will char, but the ceramics within will remain and continue to work. The charred resins will lose most of the adhesive characteristics. Therefore steps must be taken to hold the coating in place. (It may be necessary in some case to use the techniques below in unique applications below the 350 F (176 C) temperature.)

If traditional insulation is in place, remove and clean surface. If metal pins or fasteners are currently in place, leave them. These must be bent over or cut to $\frac{1}{2}$ the thickness of HSC or HPC being applied. Expanded metal mesh or lathe must be fastened or welded into place if no fasteners, pins, or anything else is present in which to anchor. Metal is to be fastened or welded in the corners and every 12 inches apart. The entire area does not need to be covered with the expanded metal, approximately 35-50% is sufficient, if welded in the center of the flat area. When multiple pieces are required, the mesh should be placed no more than 3 feet apart.

See Examples of Expanded Steel Mesh Below:









