

METHOD FOR PRODUCING THICK CRACK-FREE COATINGS FROM HYDROGEN
SILSESQUIOXANE RESIN

ABSTRACT

This invention pertains to a method for producing crack-free, insoluble and greater than 1.25 μm thick coatings from hydrogen silsesquioxane resin compositions. This method comprises applying a fillerless hydrogen silsesquioxane resin composition onto a substrate and thereafter heating said resin at a temperature of less than 500°C. for a controlled period of time to produce the crack-free coating having a thickness of greater than 1.25 μm . The resins may be cured in either an inert or oxygen containing environment.

Figure 1