METHODS OF APPLYING BOND PRIMER COMPOSITIONS FOR BONDED AEROSPACE STRUCTURES

ABSTRACT

Methods of applying a bond primer composition to a metal surface of an aerospace part are provided which may comprise forming a multilayer bond primer structure by (a) applying a first sublayer of a bond primer composition onto a metal surface of an aerospace part using a foam applicator comprising the bond primer composition; (b) heating the first sublayer; (c) applying a second sublayer of the bond primer composition onto the first sublayer; (d) heating the second sublayer; (e) applying a final sublayer of the bond primer composition onto an underlying sublayer of the multilayer bond primer structure; and curing the multilayer bond primer structure to form a bond primer coating adhered to the metal surface.

Fig. 1