

Structural Adhesive SA -6**(i) Description of Technology**

The structural adhesive SA -6 is used as binder between copper cone and high explosive mixture in War Head Assembly of Anti- Tank Missiles. It has rubber elastomer resin mixture with good compatibility to explosive mixture and no side reactions due to absence of polar groups. Hence, it does not have any cross-linking reaction and at the same time, it is an excellent adhesive for copper cone assembly of Milan and Nag Missile.

Main Characteristics of SA -6 are as follows:

- a. Excellent adhesion with copper substrate
- b. Good compatibility with explosive mass since no polar group are present in adhesive formulation.
- c. Good consistency for application by brush or spray coating on substrate materials.

(ii) Application areas:

The adhesive SA-6 is used as binder between copper cone and high explosive mixture (TNT + HMX) in War Head Assembly of Anti- Tank Milan and Nag Missile.

(iii) USP-such as certification:

The adhesive SA-6 has good compatibility with explosive mass no polar group are present in adhesive formulation.

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