



ALIPHATIC POLYISOCYANATE HARDENER

ESK-M99J313-A

1. SCOPE

The material defined by this specification is an aliphatic polyisocyanate hardener solution in organic solvents.

2. APPLICATION

The material is used as hardener for the two pack stonepeck resistant topcoat ESK-M99J312-A.

3. REQUIREMENTS

3.0 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements For Production Materials (WSS-M99P1111-A).

3.1 COMPOSITION

3.1.1 Vehicle

Modified hexamethylenediisocyanate

Content of monomeric hexamethylenediisocyanate as delivered: maximum 0.5%

No other isocyanates than hexamethylenediisocyanate

3.1.2 Mixing Rate with ESK-M99J312-A

As specified by the vendor.

Paint and hardener shall be from the same source.

3.2 PHYSICAL PROPERTIES

3.2.1 Non-Volatile (FLTM BI 102-01)

According to initial sample report as approved +/- 2%, but minimum 88%.

3.2.2 Package Viscosity

700 +/- 50 mPa.s/20 °C using a rotation viscometer.

Date	Action	Revisions
2005 08 29	Revised	Inserted 3.0; Revised 3.3, Deleted 3.4 and 4
1994 12 20	Revised and Retyped	Was 4 pages
1983 04 21	Released	SM/EQ5352 TP





3.2.3 Density
(ASTM D 1475)

According to approved initial sample report +/- 0.01, preferably 1.147.

3.2.4 Shelf Stability

During a storage of 6 months at room temperature the material as received shall not gel or liver upon standing. Preferably the material should be used within a storage time of one month after receipt.

3.3 SUBSTANCE CONTROL

Legal, health, safety and environmental constraints may apply to the materials which are submitted for approval to this specification. Refer to Engineering Material Specification WSS-M99P9999-A1.