



DEADENER SHEETING, MAGNETIC, HEAT BONDABLE

SK-M99G9526-A

1. SCOPE

The material defined by this specification is a magnetic, heat bondable sheeting for structure borne noise damping, based on bitumen and mineral filler with a non-blocking surface finish on one side.

2. APPLICATION

This material was originally released for heat bonding under paint oven conditions and is applied to EC-coated or spray primed vertical door inner surfaces.

3. REQUIREMENTS

Note: The material shall be conditioned for a minimum of 24 h at 23 +/- 2 °C and 50 +/- 5% relative humidity prior to test. Unless otherwise specified, use test panels EC-coated according to FLTM BI 120-01, A and C. Apply material under test with the magnetic side facing the panel using uniform hand pressure.

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 COLOR Black or as specified on Engineering drawing

3.2 SOLIDS, min 99%
(FLTM BV 150-10)

3.3 ASH, max 85%
(FLTM BV 150-10)

3.4 THICKNESS 1.7 +/- 0.1 mm
(Slide Gauge)

3.5 DENSITY, max 2.6 g/cm³

3.6 HEAT RESISTANCE

The material shall bond properly to the substrate without evidence of flow-off, sagging, blistering or cracking. It shall not be removed from panel without being destroyed.

Test Method:

- 1) Apply 280 x 280 mm pieces of test material to 300 x 300 x 1.5 +/- 0.1 mm test panels prepared according to clause 3, Note, and expose in vertical position to a metal temperature of 130 +/- 2 °C for 10 minutes.
- 2) Examine after cooling to room temperature.

Date	Action	Revisions
2007 03 19	Revised	Inserted 3.0; Deleted 3.18 & 4
1994 12 16	Revised	Revised and retyped, was 11 pages
1981 08 04	Released	SM/EQ 8822 TP





3.7 ADHESION AFTER HEAT AGEING

(FLTM BV 155-02, Method B, Load "A", 14 d heat ageing at 80 +/- 2 °C, curing cycle according to 3.6, Test Method, Section 1; test panel thickness 1.5 +/- 0.1 mm)

No chipping, no loss of adhesion, no cracking or blistering.

3.8 COLD ADHESION AFTER HEAT AGEING

(FLTM BV 151-02, Method B, heat ageing 14 d at 80 +/- 2 °C, load "A", -35 +/- 1 °C, curing cycle according to 3.6, Test Method, Section 1, test panel thickness 1.5 +/- 0.1 mm)

No chipping, no loss of adhesion or cracking.

3.9 SALT FOG RESISTANCE

No corrosion

Test Method:

- 1) Specimen preparation according to 3.6, Test Method, Section 1.
- 2) Condition at room temperature for 24 hours and test according to ASTM B 117:
 - a) 240 hours for test assemblies with anodic EC-coated panel (FLTM BI 120-01, A).
 - b) 480 hours for test assemblies with cathodic EC-coated panels (FLTM BI 120-01, C).
- 3) Remove a 30 x 280 mm strip of test material from test specimen and examine for evidence of corrosion.

3.10 TEMPERATURE CYCLING TEST

No chipping, no loss of adhesion or cracking.

Test Method:

- 1) Specimen preparation according to 3.6, Test Method, Section 1.
- 2) Condition test specimen for 24 hours at room temperature and subject three times to the following cycle in the sequence indicated below:

1 Cycle

3 h at 80 +/- 2 °C
1 h at 23 +/- 2 °C
3 h at - 30 +/- 1 °C
1 h at 23 +/- 2 °C
16 h at 38 +/- 2 °C and 98 +/- 2% relative humidity
- 3) After 24 hours at room temperature continue test according to FLTM BV 155-02, Method A, clause 6 - 10, load "A", at room temperature.

