

Rubber Source Incorporated
 66 Cowansview Rd
 Cambridge, ON N1R 7N3
 519-620-4440
 519-624-7221 (Fax)

Product Data Sheet

RS 60DM-FSS

Spray Polyurea

USGBC LEED, EQ Credit 4:
 Low-emitting VOC Compliant Materials

Product Description- *Rubber Source RS 60DM-FSS* is a fast set, rapid curing, 100% solids, flexible, two-component polyurea elastomer spray coating material. **RS 60DM-FSS** is used by itself or in combination with other materials to produce coatings, liners, wearing courses, and resilient surfaces on metal and other substrates. **RS 60DM-FSS** produces an extremely tough film at all thicknesses. Single or multiple pass applications produce films from 10 mils to 1,000 mils without appreciable sag or runs. **RS 60DM-FSS** may be applied in all positions and to any properly prepared surface. **RS 60DM-FSS** is inert, it will not hydrolyze, leach, or contaminate other materials, and is bondable and paintable. **RS 60DM-FSS** is relatively moisture and temperature insensitive, allowing application in the most problematic ambient conditions.

Uses- *Rubber Source RS 60DM-FSS* is a superior metal coating material designed specifically for industrial applications receiving constant or intermittent attack from contained materials, most corrosive substrates and abrasive action. **RS 60DM-FSS** may be used to coat any properly prepared substrate. **RS 60DM-FSS** is flexible, accommodating to movement of the substrate, yet strong enough to remain intact under all conditions except major structural failure. **RS 60DM-FSS** may be used in interior or exterior applications. **RS 60DM-FSS** is recommended for repair of other films, may be applied to metal and other substrates, in new construction and in cold weather conditions.

Ideal for Applications in:

- Waterproofing membrane
- Chemical plants
- Food processing facilities
- Liners
- Metal coatings
- Tank linings

Advantages:

- Odorless, no VOC's
- 1:1 mix ratio by volume
- Fast return to service
- Rapid gel time
- Installation temperature range from -40°F to 300°F
- Exposure temperatures -40°F to 350°F, dry

Physical Properties-

| Property | Test Method | Typical Value |
|---|-------------|----------------|
| VOC | Theoretical | 0% |
| Solids Content | Theoretical | 100% |
| Gel Time | ASTM D1640 | 3 - 7 seconds |
| Tack Free | ASTM D1640 | 8 - 12 seconds |
| Tensile Strength (psi) | ASTM D638 | 2000 - 2800 |
| Tensile Elongation (%) | ASTM D638 | 200 - 250 |
| Modulus of Elasticity (psi) | ASTM D638 | 800 - 1500 |
| Tear Strength (lb/in) | ASTM D624 | 300 - 450 |
| Shore (D) Hardness | ASTM D2240 | 50 |
| Taber abrasion, mg wt loss (1000 g, 1000 revs, C-17) | ASTM D4060 | 15 - 30 |
| Taber abrasion, mg wt loss (1000 g, 1000 revs, H-18) | ASTM D4060 | 150 - 250 |
| Resistant to Cathodic Disbondment | ASTM G8 | Pass |
| The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values. | | |

Limitations- **RS 60DM-FSS** should not be used for direct contact with extremely high or low pH attack. Composite systems are available. Consult Rubber Source .

Coverage Rates- Theoretical square feet per gallon

*Note: 1604 mil inches per gallon. Totally dependent on substrate texture and condition.

| | | | | | | | |
|---------|-----|-----|----|----|----|-----|-----|
| Mils | 10 | 15 | 50 | 60 | 80 | 100 | 125 |
| Sq. Ft. | 160 | 107 | 32 | 27 | 20 | 16 | 13 |

Packaging-

- One Hundred Six Gallon Kit: 53 gallons of 'A' side and 53 gallons of 'B' side. Drum containers filled by weight, volume is closely approximated.

Mixing- **RS 60DM-FSS** must be spray applied using approved equipment. Use 1:1 ratio pump, with appropriate material heaters as required for individual application.

Colors- View Color Chart from Rubber Source

Preparation & Installation- Please review the Material Processing & Handling Information for preparation and application procedures. Substrate priming is not required on all metals, consult **Fi VVyf Gci fW** for recommendations. Also, please consult the **Fi VVyf Gci fW** Spray Gun Configuration Recommendation pdf for specific modules and tips.

Clean Up- Cured product may be disposed of without restriction. Excess liquid 'A' & 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

Safety- Review MSDS from Rubber Source

Basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvex overalls
- Rubber gloves
- Splash shield or safety glasses with splash guards
- Rubber or leather boots
- Respirator
- Do not use near high heat or open flame
- Do not take internally
- Keep out of reach of children

Shelf Life- One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 60°F to 95°F (18°-35°C).

Technical Services- Sales and Customer Support 519-620-4440

Warranty- ~~Fi VVyf Gci fW~~ ~~bw fdcf UNX~~ will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product of its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any changes or expenses of any nature incurred without its written consent.