



DURA-COAT RUBBER FLEX 900S

DESCRIPTION AND RECOMMENDED USES:

100% solids, Dura-Coat Rubber Flex 900S is a high elongation hybrid-urethane elastomer. It is ideal for repairing rubber surfaces and is fully compatible for coating metals and other substrates. The elastomeric appearance provides high strength and flexibility, while the ceramic reinforcement provides improved abrasion resistance. It is ideal for repairing screens, pulleys, and tanks with rubber coatings. Dura-Coat Rubber Flex 900S is a lightweight paste and can be easily applied up to 500 mils without slipping.

- It can be applied up to 500 mils without slump
- Ideal for rubber protection and repair
- Suited for screens, pulleys and tanks
- Suited for immersion and non-immersion services

PACKAGES

| | SIZE | REORDER # |
|--------|-------|-----------|
| OPTION | 750 g | 900S-750 |

FDA COMPLIANCE

This product complies with FDA regulations, for direct food contact specifically FDA 21 CFR 175.300 and FDA 21 CFR 175.105.

APPLICATION AREAS

- Screens
- Tanks
- Rubber in general
- Pumps
- Pulleys
- Other

TECHNICAL DATA:

| | | | |
|---|------------------------------|-------------------------|-----------------|
| Maximum Temperature (dependent on service) | Wet Service | -30°C | -22°F |
| | Dry Service | 93°C | 200°F |
| Chemical Resistance | Water | Excellent | |
| | Alkalis | Excellent | |
| | Inorganic Acids | Excellent | |
| | Organic Acids | Fair | |
| | Organic Solvents | Poor | |
| Elongation | | 200% | |
| Specific Gravity | | 1.5 | |
| Viscosity | | Light Paste | |
| Hardness | | 105 Shore A | |
| Vertical SAG Resistance at 21°C (70°F) and 12.7 mm (500mils) | | No sag | |
| Coverage for 750g Kit | 7.2sf @40mils | 0.67m ² @1mm | |
| Mix Ratio | 9:1 by weight | | Base: Activator |
| Color | Black | | |
| Shelf Life (unopened containers) | 3 years at 55-95°F (13-35°C) | | |



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SURFACE PREPARATION

Proper surface preparation is crucial for the long-term performance of Dura-Coat Rubber-Flex 900S. The surface must be clean and roughened. Prepare by mechanically cleaning with a rotating wire brush. Clean with solvents (acetone, xylene, alcohol, or MEK) and a cloth. It is not necessary to apply primer; Dura-Coat Rubber-Flex 900S is applied directly to the rubber or metal.

MIXING

Mix the activator thoroughly into the base using the mixing rod, scraping the sides and bottom of the container. Mix by weight, 9 parts base to 1 part activator. Mix thoroughly to produce a uniform and streak-free material. Never add solvents.

CURED TIME

| | 16°C (60°F) | 25°C (77°F) | 32°C (90°F) |
|--------------|-------------|-------------|-------------|
| TACK FREE | 2 hours | 1.5 hours | 1 hour |
| LIGHT LOAD | 2 hours | 1.5 hours | 1 hour |
| OVERCOAT END | 2 hours | 1.5 hours | 1 hour |
| FULL LOAD | 2.5 hours | 2 hours | 1.5 hours |

APPLICATION

Dura-Coat Rubber-Flex 900S can be applied by squeegee, spatula, or caulking gun. To prevent slipping on vertical surfaces, the maximum thickness per coat should be up to 12.7 mm (500 mils) per coat.

CLEAN UP

Tools must be immediately cleaned after usage by using industrial alkaline detergent.

SAFETY

Before using any products, review the appropriate Safety Data Sheet (SDS) or Safety Sheet for your area. Follow standard confined space entry and work procedures, if appropriate

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