

ASODUR[®] Mastic Epoxy

TWO-COMPONENT HIGH BUILD COATING

Product Description:

ASODUR[®] Mastic Epoxy is a two-component high-build coating, that can be applied either on properly prepared steel surfaces or marginally prepared surfaces. May be used as a one or two-coat, direct-to-metal protective coating, corrosion resistant, and also resistant to many solvents and chemicals.

Primary Uses:

For use over various substrates such as steel, masonry, concrete and concrete floors in industrial environments, and maintenance areas, especially for steel as maintenance coating where blast cleaning is not possible. Suitable for Direct Metal application, can be applied over marginally prepared surfaces as the coating is surface tolerant.

Advantages:

- Improves wear and chemical resistance.
- Seals all concrete surfaces, old or new, with a semi-glossy appearance.
- Dust proofs concrete by impregnating surface pores with tough film.
- Easy to clean.
- Good resistance to traffic and abrasion.

Technical Properties:

Color	: grey and a wide range of colours are available on request.
Finish	: semigloss.
Volume Solid	: 100% ± 1 %

Specific Gravity	: 1.5 (Mixed)
Recommended DFT	: Colored 75 – 150 Microns
Spreading Rate at DFT	: 3.8 – 7.6 m ² /kg

Flash point	: 40.5°C
Mix ratio	: 4 Parts vol. Part A and 1 part vol. Part B
Sweat-in time	: 15 minutes at 25°C after mixing both parts.

Drying schedule at 25°C/R.H.50%	:
Dry to touch	: 4-6 Hours
To handle	: 4-6 Hours
To recoat	: Min. 18 Hours Max. 30 Days
To Cure	: 7 Days
Pot Life:	

- 45 minutes (unreduced) @ 25°C. Varies with temperature
- 2 Hours (Reduced at 10%) @ 25°C. Varies with temperature

Shelf Life	: 12 months, unopened at 25°C.
Solvent/Cleaner	: Thinner #17

Application:

Conventional Spray	: reduce 10% with thinner.
Airless Spray	: reduce 10% with thinner.
Brush/Roller	: reduction not recommended.

Surface Standards:

1. Iron and Steel – For substrates where sandblasting is not possible to clean the



surface by Hand Tool Cleaning SSPC-SP2 "St 2" or Power Tool Cleaning SSPC-SP3 "St 3". For new substrates atmospheric service "Commercial Blast Cleaning" SSPC-SP 6 "Sa 2" surface profile 2 mil (50 Microns). or for immersion service "Near White Metal Blast" SP10" Sa 2-1/2", optimum surface profile 2 mil (50 Microns).

- Galvanized Steel – Allow to weather min of 6 months "Solvent Clean" SSPC-SP1, for rusted galvanizing requires minimum "Hand Tool Cleaning" SSPC-SP2 "St2"
- Aluminium – Remove all oil, grease, dirt, oxide and other foreign material by "Solvent Cleaning" SSPC- SP1.
- New poured concrete should be cured for 28 days at 25°C and cleaned.

System Recommendation:

Steel Interior Light/moderate service):

	DFT/COAT	
ASODUR® Mastic Epoxy	1 Coat	75-150 Microns

Steel (Self Priming) Severe Service:

	DFT/COAT	
ASODUR® Mastic Epoxy (Aluminum)	2 Coats	126-165 Microns

Iron and Steel (Exterior) Atmospheric Service:

	DFT/COAT	
ASODUR® P2000 Primer	1 Coat	50-75 Microns
ASODUR® Mastic Epoxy	2 Coats	75-150 Microns

OR

ASODUR® Mastic Epoxy / ASODUR® Polyurethane	1-2 Coats	50-75 Microns
---	-----------	---------------

Concrete Surface:

	DFT/COAT	
INDUFLOOR®-IB1280	1 Coat	150-250 Microns
INDUFLOOR®-EPF (Filler Optional)		
ASODUR® Mastic Epoxy	1-2 Coats	75-150 Microns

Previously Painted Surfaces:

Surfaces should be free from all foreign material. Old paint films must be brush blasted or scuff sanded prior to coating. Unknown old paint surfaces should be tested for lifting or peeling. If it does, clean to sound substrate and treat it as a new surface.

*Note: Excessive thinning of material can affect the film build, appearance, and adhesion. Use the material within pot life limits.

Safety Precautions:

Spray under well-ventilated conditions. Do not breathe or inhale mist. When spraying, wear air mask. Avoid skin contact. Spillage on skin should immediately be removed with suitable cleanser, soap and water. Eyes should be flushed with water and medical attention sought immediately.

