

EpiMax 333WB-SR

Aerospace & Aviation Facility Protection System Skydrol Resistant

Description

EpiMax 333WB-SR Aerospace & Aviation Facility Protection System is a proven facility protection system for both commercial and military operators.

Operational support facility infrastructure standards have evolved dramatically in recent years. This has been a result of new challenges in safety, security, maintenance quality, sustainability and scalability.

Unprotected concrete floors have limited chemical and abrasion resistance. They dust easily and cannot be effectively cleaned. They can be unsafe. They can also create serious foreign object damage (FOD) issues and reduce floor level visibility.

Equally, unprotected walls and ceiling surfaces are absorbent, prone to dusting and difficult to clean. Inferior systems have limited chemical and abrasion resistance. They can also dust and cannot be effectively cleaned. They work against FOD and contamination control.

Professionally applied EpiMax 333WB-SR will improve facility function and staff safety as well as reducing cleaning and lighting costs. General facility appearance will be greatly enhanced.

EpiMax 333WB-SR has been designed for contact with Skydrol fluids 500-B4, LD-4, 5 and PE-5, the newest Skydrol type hydraulic fluid which is currently undergoing flight service evaluations with various airframe manufacturers. Skydrol PE-5 was developed to meet the latest Type V hydraulic fluid requirements, the "harmonized" fluid specification from Airbus, Boeing and the fluid manufacturers.

It is also qualified for military aviation where MIL-H-87257 type hydraulic fluids are being used. These fluids are petroleum based, not phosphate ester based. They are considered the fluid of choice for newer aircraft being developed.

EpiMax 333WB-SR is available in clear or special colours to order.

Advantages

- Excellent adhesion
- Hazmat free/non flammable
- Easily applied by roller or spray
- Excellent abrasion resistance
- Meets AS 4586 Slip Resistance standard
- Good stain resistance
- Water based - odourless
- Colour choice available
- Self priming
- Meets GBCA Low VOC standard
- Meets BCA CRF Fire standard
- Excellent durability

Splash & spill resistant to

- Skydrol (500-B4, LD-4, LD-5, PE-5)
- Caustic compounds
- Degreasing fluids
- Jet fuel (Jet A, Jet A-1, JP-8, JP-8+100)
- Battery acids
- Cleaners & detergents
- Organic solvents
- Lubricating & de-icing fluids



Typical properties

- Volume solids: 58-60%
- Tack-free time: 6 hours at 25°C
- Coverage/litre - theoretical: 10 m²/coat
- Work time: 90 minutes at 25°C
- Recoat: 16-24 hours at 25°C
- Full cure: 7 days at 25 °C

Typical applications

- Airframe overhaul & maintenance
- Avionics maintenance facilities
- Fuel and fluid stations
- Simulator centres
- Helicopter maintenance centres
- Military simulators
- Composite repair facilities
- Military catering facilities
- Fork lift recharge areas
- APU maintenance
- Jet turbine maintenance
- Airline catering facilities
- Inventory warehousing
- Military training facilities
- Consumables warehousing
- Aircraft hangars & storage sheds
- Military ordnance facilities
- Washrooms

Estimating data

8 ltr EpiMax 333WB-SR = 40 m² (2 coats)

16 ltr EpiMax 333WB-SR = 80 m² (2 coats)

Note: Consumption rate will increase with high profile finishes.

Foundation preparation

Concrete should be at least 28 days old. Ensure sub-floor is clean, dry and free of additives, curing agents, oils, etc. Prepare the sub-floor by professional diamond grinding to expose firmly adhered aggregate. Surface profile should exceed CSP 3. Scrub with clean water and then vacuum. Allow surfaces to dry. Always confirm preparation adequacy.

Application

Review the area in advance so that a fixed volume of mixed material can be applied over a fixed area to ensure correct application rate. Select a slow speed (400 rpm) mechanical mixer and ensure thorough mixing. Then add EpiMax 333WB-SR Activator to EpiMax 333WB-SR Base. Mix until uniform.

Determine site skid resistance requirements in advance and select appropriate EpiMax Aggregates to combine/broadcast.

CSIRO/Standards Australia HB 197 Guide to Slip Resistance classifies the slip resistance of various facilities.

Aircraft service & repair workshops are classified as:

Aircraft hangars R11

Repair hangars R12

Washing halls R12

These classifications are based on testing to AS/NZS 4586:2004 *Slip resistance classification of new pedestrian surface materials*.

EpiMax 333WB-SR can be applied by roller or airless spray in two coats (minimum) to achieve a total 250 - 750 micron dft (depending on surface profile).

Thin the first coat (if necessary) with up to 15% potable water.

Allow the finished application to cure for 7 days before commissioning.



General cleaning

Housekeeping is critical in keeping floor surfaces safe. Vacuum, wash, scrub or sweep daily in accordance with recommendations. Mechanical sweepers and scrubbers can provide excellent results. Verify that the frequency and effectiveness of the cleaning process is appropriate for site conditions. Remove spills immediately, scrub and allow the floor to dry completely.

Packaging

EpiMax 333WB-SR is available prepackaged in correct proportions for immediate use.

Ordering Information:

EpiMax 333WB-SR 16 litre CLEAR #9033944

EpiMax 333WB-SR 16 litre COLOUR #9033946 in nominated colour

Safety precautions

Read **Material Safety Data Sheet** before commencing any application. Keep away from children. Avoid contact with skin and avoid breathing vapour. Always provide adequate personal protection (gloves & goggles etc) during use. Always provide adequate ventilation, especially in confined spaces. If poisoning occurs, call Doctor or Poisons Information Centre. Phone 13 11 26. If swallowed, DO NOT induce vomiting. Give plenty of water or milk. If skin contact occurs, quickly remove contaminated clothing and wash affected areas thoroughly with soap and water.

TDG Code: Hardener - Not Classified, Compound - Not Classified

