



Flexisperse™ CW-40

Readily removable protective surface coating

Overview

- Removable protective water dispersible polymer coating dries to a clear, colorless protective film
- Provides flash rust and corrosion resistance to bare steel, copper, brass, cadmium and zinc
- Readily removed with Flexiclean CWR or other alkaline cleaner concentrate
- Coating resists the weathering
- Coating resists abrasion and pebble impacts
- Coating resists corrosion from acids or salt solutions
- Imparts gloss to a surface, but adds no color or haziness
- WERCS ID number:
WPS1449674
- WERCS Validation number:
WPS1449674

Applications

- Removable protective coating for bare metal surfaces (brass, steel, aluminum and copper)
- Removable protective coating for painted surfaces, including automotive OEM protection during transit
- Provides flash rust protection to bare steel, and white rust protection to aluminum
- Protection of metal stock in storage, transit and work-in-process
- Construction and Rental equipment

Technical Information

Flexisperse CW-40 is a unique functionalized polymer system designed to impart a clear, colorless, readily removable surface protectant and soil resistant coating. Flexisperse CW-40 treated surfaces resist weathering, corrosion, particulate abrasion and will not corrode when repeatedly insulted with acids and salt by creating a hard, highly effective invisible protectant barrier for metal and painted surfaces. Designed to be removed with Flexiclean CWR or other alkaline cleaner concentrate. Flexisperse CW-40 can be applied and re-applied to hard surfaces.

Formulary

Flexisperse CW-40 protective coatings are designed to withstand and absorb the damaging and degrading effects of environmental weathering, corrosion and abrasion, then be easily removed with a 1:64-1:32 aqueous dilution of Flexiclean CWR or other alkaline cleaner concentrate, leaving the underlying surfaces relatively untouched.

Apply Flexisperse CW-40 directly to clean, dry surfaces as is or diluted up to 1:1 with water by spray, paint or wipe. Ensure good coverage and a good coating. Allow to dry.

When Flexisperse CW-40 treated surfaces become soiled or abraded, remove the sacrificial CW-40 film with an aqueous dilution of Flexiclean CWR or other alkaline cleaner concentrate. Dilute CWR 1:1-1:32 with water, and then spray, paint or wipe onto the CW-40 treated surface. Allow to soak for a few minutes, and remove with a power or pressure wash. Then re-apply Flexisperse CW-40.

Typical Properties

PROPERTY	VALUE
Appearance	Hazy to translucent, colorless to off-white liquid
Dried film appearance	Clear, colorless
Odor	Mild
Solids, %	22.0±1.0
Water solubility	Dispersible
pH, as is	7.5-9.0
Density@25°C	1.01±0.02
Viscosity @25°C (Brookfield), MPa·s/cps	<500
Ionic Nature	Anionic
Flash point	Does not ignite below 100°C
Storage	Perishable if frozen
Shelf life	12 months

Packaging and Handling

Flexisperse CW-40 is available in:
Totes (Net Wt. 2250 lbs)
55 gallon plastic drums (Net Wt. 450 lbs)
5 gallon pails (Net Wt. 40 lbs)

Refer to the Safety Data Sheet (MDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Non-Regulated

Whether you're looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

Please refer to back page for important information

Flexisperse CW-40 Performance data

Corrosion protection

Flexisperse CW-40 protected metal surfaces resist corrosion. The examples to the right illustrate the metal protection performance of CW-40. In each test example, the right side was treated with Flexisperse CW-40 and the left side untreated. The entire test sample was insulated with a corrosive solution. In these examples, Flexisperse CW-40 treated brass, aluminum and copper resisted corrosion.



Acid/salt protection

Flexisperse CW-40 treated surfaces are resistant to the corrosive effects of acid and salt solutions. The example to the right illustrates the protection performance of CW-40 on carbon steel bars. In this example, the bottom half of the carbon steel bars were treated with Flexisperse CW-40. The carbon steel bar on the right was sprayed with a solution of 2% muriatic acid and 2% sodium chloride and allowed to stand overnight. When compared with the unexposed treated carbon steel bar, the bar exposed to the corrosive effects of acid/salt expressed significant surface corrosion on the upper untreated half, while the bottom Flexisperse CW-40 treated half expressed no corrosive effects.



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