



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	Protect from freezing
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.



This information relates only to the specific material referred to herein and not to its use in combination with any other material or in any process, unless explicitly stated herein. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled; however, no warranty, guarantee or other representation is made as to its accuracy, reliability, or completeness, or regarding any liabilities arising from others' intellectual property rights. ID# 20200303