

Raybo 62 HydroFlo

Raybo 62 HydroFlo is a highly effective flow control agent for water and water reducible systems. The incorporation of 0.3-1.0% (of total weight) will aid in the prevention of creeping, crawling and edge effects, as well as the elimination of craters and fish eyes. The use of raybo 62 HydroFlo permits the application of low viscosity water reducible coatings by dipping or flow coating. Raybo 62 HydroFlo can be used in primers without fear of intercoat adhesion failures.

Because raybo 62 HydroFlo reduces the surface tension of water so effectively, it makes the coating of plastics, mylar and glass possible.

Figure 1 demonstrates the effectiveness of 1% raybo 62 HydroFlo in the elimination of picture framing.

Figure 2 demonstrates the ability of a coating containing 1% raybo 62 HydroFlo to wet the poorly prepared surfaces often found in manufacturing facilities.

Let raybo 62 HydroFlo work its magic on your water reducible alkyd or latex challenge.

Suggested Formula: Light Blue W/R Chain Stopped Short Oil Alkyd with 1% Raybo 62 HydroFlo	
Mix the following, then disperse on sandmill:	
Duramac 74-7495 ¹	230.7
Butyl Cellosolve ²	27.7
Ammonium Hydroxide (19.5%) ²	14.1
Mix well, then add:	
Water	68.6
Mix well, then add:	
Raybo 57 OptiSpense HS ³	1.6
Ti Pure R900 ⁴	45.2
248-0615 Blue ⁵	5.5
Disperse to 7.0+ Hegman grind, then add to the letdown:	
Ektasolve EP ²	11.9
Water	430.4
Premix the following, then add to the letdown:	
Butyl Cellosolve ²	28.2
Cobalt HydroCure II ⁶	2.0
5% Calcium HydroCem ⁶	1.9
12% Zirconium HydroCem ⁶	1.0
Mix well, then add the following under agitation:	
Raybo 62 HydroFlo ³	8.7
Physical Properties:	
Grind (Hegman)	7.0+
Viscosity sec (#2 ZC)	20-25
pH	8.5-8.8
Total Weight	877.5
Density (lbs/gal)	8.69
% Weight Solids	24.8
% Volume Solids	19.1
PVC%	9.2
VOC (lbs/gal, with exempt solvent)	1.38
VOC (lbs/gal, minus exempt solvent)	3.63
Suppliers:	
1	Hexion Specialty Chemicals
2	Ashland, Inc.
3	Raybo Chemical Co.
4	DuPont
5	Sun Chemical Corp.
6	OM Group, Inc.

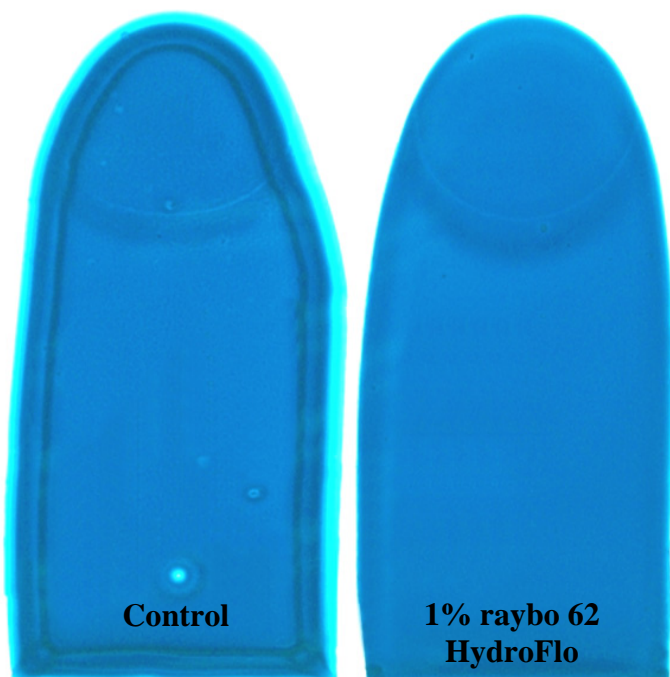


Fig 1. The use of raybo 62 HydroFlo eliminated the “picture framing” (3 mil drawdown over glass).



Fig 2. The use of raybo 62 HydroFlo allowed for a continuous coating, even over the oil and dirt.