



We create chemistry

ACRONAL[®] Xpress 4347

Superior performance for pavement markings

Product Features

- All-acrylic dispersion with excellent durability
- Fast drying
- Superior scrub resistance
- Excellent latex and paint stability
- Non-APEO containing

Typical Properties

Solid content, weight %	49 - 51
Viscosity, cps	<300
pH	10.5
Density, lbs/gal	8.87
Tg, °C	25

ACRONAL Xpress 4347 is an all-acrylic copolymer designed to provide exceptionally fast drying time and excellent durability in traffic paints and pavement markings. ACRONAL Xpress 4347 supports on-the-job efficiency and meets stringent traffic paint performance requirements.

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Tested to meet industry standards

Pavement markings currently produced with standard industry formulations can easily utilize ACRONAL Xpress 4347 without introducing any new raw materials or dramatic variances in dosage levels. Typical performance results with paints utilizing ACRONAL Xpress 4347 can meet or exceed current industry standards.

Performance of ACRONAL Xpress 4347 in a white traffic paint formulation

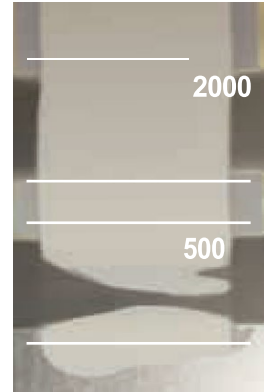
Exceptionally fast drying

Formulations with ACRONAL Xpress 4347 achieve no-pick-up on wheel at four minutes and 30 seconds.



Excellent scrub resistance

Formulations with ACRONAL Xpress 4347 perform over 2000 cycles (top) in scrub resistance, exceeding the industry standard of 500 scrub cycles (bottom).



ACRONAL Xpress 4347 White Traffic Paint Formulation

Raw Materials	lbs	gallons
Grind – 15 minutes at 1100rpm		
ACRONAL Xpress 4347	443.35	50.10
DISPEX [®] AA 4040 NS	4.82	0.44
HYDROPALAT [®] WE 3323	11.02	1.32
FOAMSTAR [®] ST 2410	3.44	0.48
Ti-Pure [®] R-900	96.35	2.89
Omyacarb [®] 5	732.90	32.53
Letdown – 15 minutes at 700rpm		
Methanol	34.45	5.20
LOXANOL [®] CA 5086	22.97	2.75
FOAMSTAR ST 2410	2.81	0.39
2% Active Natrosol [™] 250 HR in D.I. Water	6.74	0.80
D.I. Water	25.84	3.10
Adjust pH > 10.0 with Ammonia as needed		
Total	1384.70	100.00
	Vol solids %	69.5
	Wt solids %	79.2
	PVC %	59.0
	VOC g/L	65
	KU	82.0
	pH	10.3

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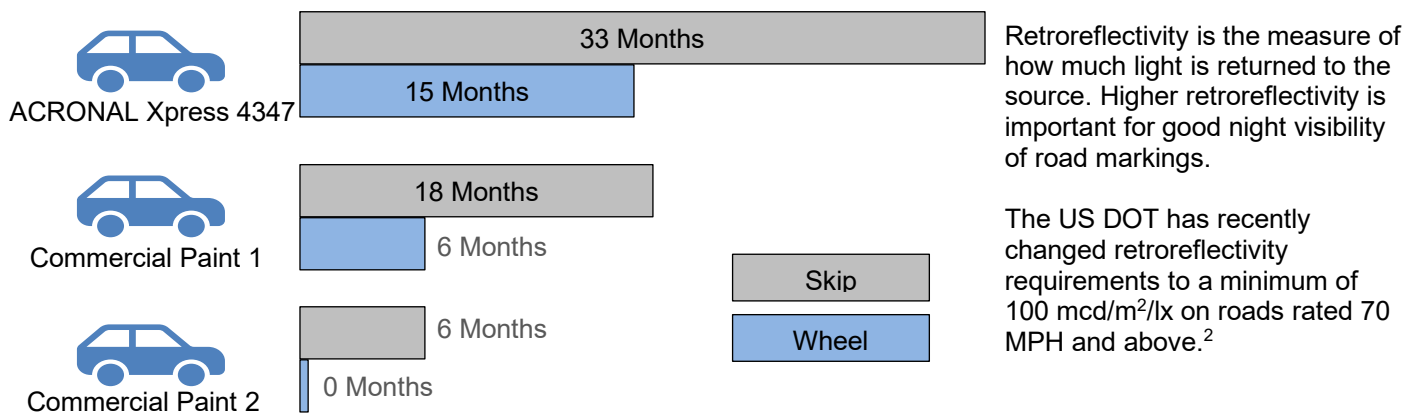
Tested to DOT requirements

With a growing number of vehicles on the road, quality pavement markings are becoming increasingly more important for maintaining safe roadways. ACRONAL Xpress 4347 is an acrylic copolymer designed for fast drying waterborne pavement markings.

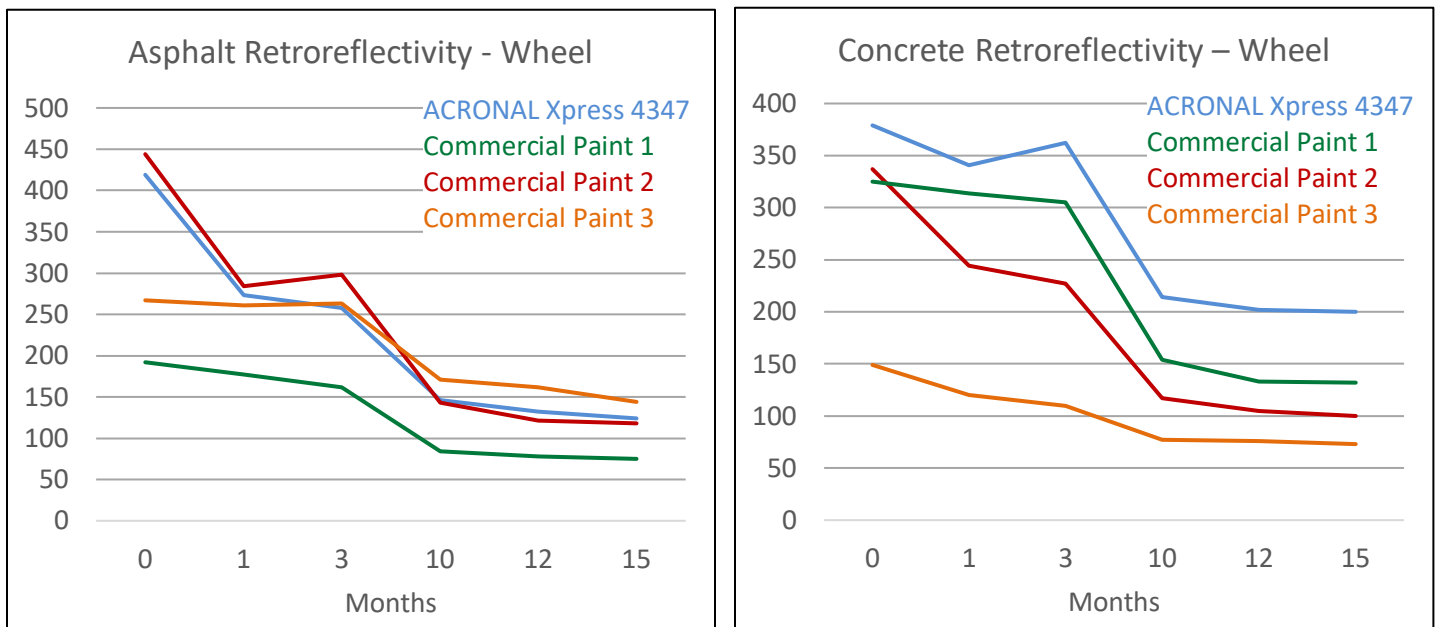
We use industry standard testing, including National Transportation Product Evaluation Program (NTPEP) testing to validate long-term performance in real-world use. Traffic paint formulations utilizing ACRONAL Xpress 4347 can meet federal and state Department of Transportation (DOT) regulations for exceptionally fast drying high-performance paints.

NTPEP – Florida 2019¹

Retained Retroreflectivity above 100 mcd/m²/lx – Florida Asphalt



NTPEP – Utah 2021¹



Current NTPEP projects – Florida (2019), Utah (2021), Wisconsin (2022), and Pennsylvania (2023)

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¹ Data from <https://data.ntpep.org>

² U.S. DOT Federal Highway Administration. MUTCD, Revision 3, July 2022.

Trademark usage

- Natrosol[™] is a trademark of Ashland Inc.
 - Ti-Pure[®] is a registered trademark of The Chemours Company
 - Omyacarb[®] is a registered trademark of Omya AG
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Contacts

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