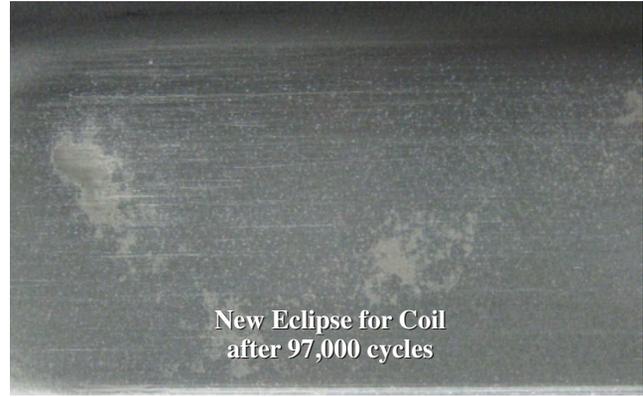


The best competitive coating after 35,000 cycles

The best of the seven competitive coatings tested went 35,000 cycles in the test before 10% of the substrate was exposed (ending the test).



New Eclipse for Coil after 97,000 cycles

New Eclipse for Coil, under the exact same test conditions, reached 97,000 cycles before 10% substrate exposure, demonstrating 275% greater resistance to wear.

New Eclipse® for Coil outwears 7 competitors by a minimum of 275 percent

Five years ago, Whitford made nonstick news with Eclipse, a special internally reinforced coating system that set a new standard for resistance to abrasion and wear among nonsticks (including those reinforced internally). Eclipse has been the most successful new-product launch in Whitford's history.

This past year, Whitford announced a two-coat version for coil, principally for bakeware. Eclipse for coil proved to be by far the most wear-resistant coil coating on the market.

Now, continuing research conducted has led to even more dramatic improvements. The new coating was tested against 7 competitive nonstick coil coatings now on the market. The results (Whitford Test Method 135C, Dry Reciprocating Abrasion Test) show 275 percent greater resistance to abrasion and wear over the nearest competitor (and far more over other competitors). See photographs above.

Whitford's abrasion tests duplicate the harshest condition to which a pan can be subjected in the kitchen: scouring with a Scotch-Brite® pad. Another advantage: This extra durability comes while maintaining superb release.

The coatings were also subjected to the Chicken Roasting Test, in which one chicken leg is roasted per cycle. If the cooked leg lifts off easily without sticking, the cycle is a "pass". The leading competitor went 18 cycles. Eclipse went 23 cycles, or 27 percent longer.

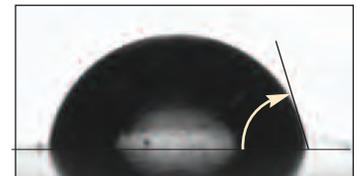
As a final confirma-

tion of these results, contact angle tests of the same two coatings (new Eclipse and the nearest competitor) were performed.

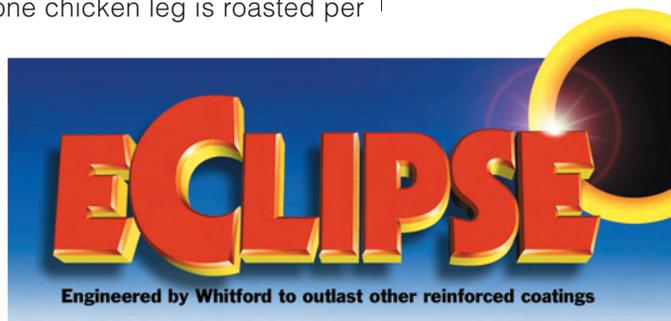
The angle of contact between the surface and a drop of liquid measures the release function of surface energy; the greater the contact angle the lower the surface energy and greater the release a coating provides. If a drop of water is strongly attracted to the surface (hydrophilic), the droplet will spread or "wet out" on the surface, so the contact angle will be lower. If the surface repels the droplet (hydrophobic), the contact angle will be higher. The contact angle of the competitive coating, after the abrasion testing, was 58.1°. The contact angle of Eclipse for Coil, after the same abrasion, was 84.1° — an important difference that demonstrates significantly more release, even after wear.



Best competitor after abrasion: contact angle of 58.1°



Eclipse for Coil after abrasion: contact angle of 84.1°



If you're interested in testing the best-performing, coil-applied nonstick, ask Whitford for more information. Contact your Whitford representative or email Whitford directly at sales@whitfordww.com or visit us at our website at whitfordww.com.

Whitford

Makers of the world's largest, most complete line of fluoropolymer coatings
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