



Crizal® Alizé™

So clear, so clean



Pure performance, pure clarity

Essilor has created a technological revolution with Crizal® Alizé™, a high performance MAR coating like no other on the market.

Thanks to a new process that makes the lens surface totally smooth, impurities can no longer stick to the lens, so it retains its original clarity. Crizal® Alizé™, provides wearers with the best possible vision whatever the wearing conditions.



- On the left, a standard lens
- On the right, a Crizal® Alizé™ lens

This high quality coating can be recommended to spectacle wearers with total confidence.



SCRATCH RESISTANT



SMUDGE REPELLENT



ANTI-REFLECTIVE

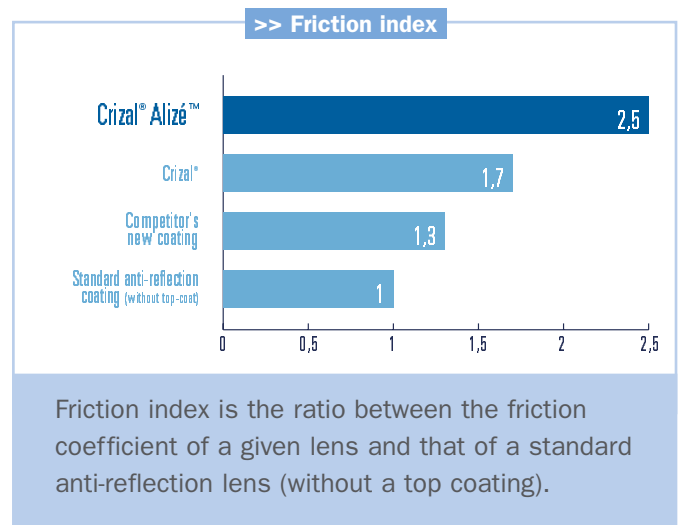
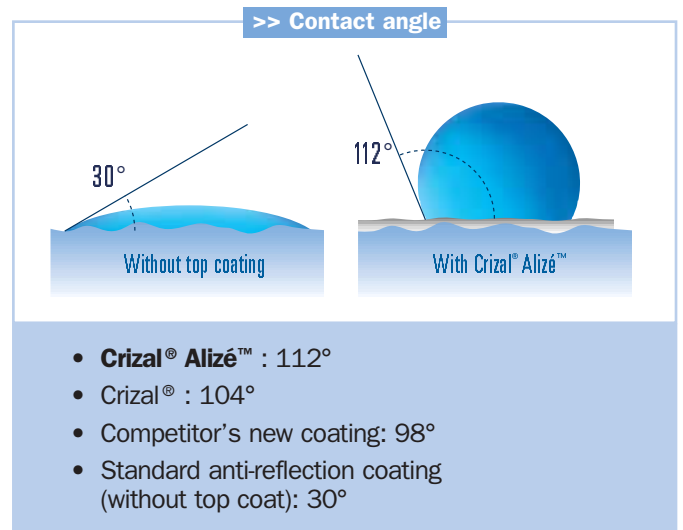
A cleaner lens

The proprietary process used for Crizal® Alizé™, richer in fluorine than any other anti-reflection coatings, creates a totally smooth lens surface.

The top layer of Crizal® Alizé™ contains a high proportion of perfluorinated molecules as used in the field of micro-electronics.

- Unlike conventional coatings, all microscopic cracks are filled in so the surface is totally smooth.
- The low surface energy created by the coating increases the contact angle of the lens so much that the area occupied by foreign particles is three times smaller than on a standard anti-reflective coating.
- The friction coefficient values show that Crizal® Alizé™ lenses are two and a half times smoother than standard anti-reflection lenses. This means that specks of dirt simply do not stick to the lens surface.

These combined effects result in a significant resistance to dirt and a more durable cleanliness of the lens.



* The friction coefficient as measured with a tribometer, is the ratio between the force required to move a given mass on a given surface relative to said mass.

A lens that is easier to clean

Thanks to its extremely smooth surface, Crizal® Alizé™ can be cleaned much more easily.

- The low surface energy and low friction coefficient mean also that the lens is ten times easier to clean than standard anti-reflection lenses.

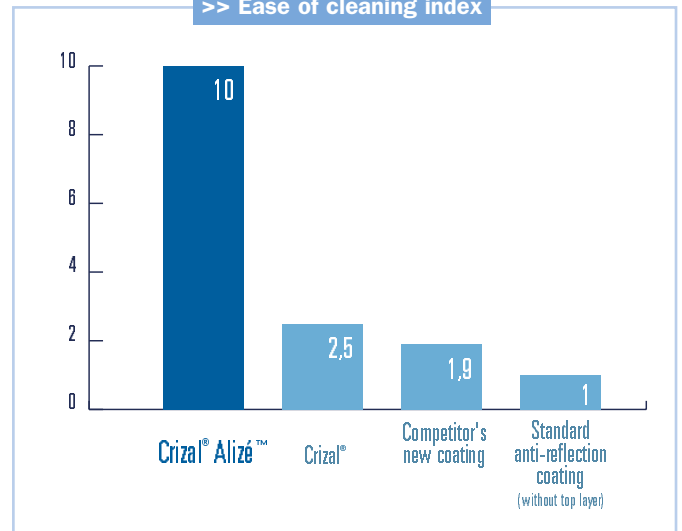
The ease of cleaning can be measured under laboratory conditions using a newly designed cleaning test. It consists of leaving a finger mark (the main cause of visual discomfort mentioned by wearers) on the lens and measuring the number of wipes needed to make it disappear.

SMUDGE REPELLENT



Less frequent lens cleaning with minimal effort.

>> Ease of cleaning index



The index measuring the ease of cleaning is the ratio between the number of wipes needed to clean a standard anti-reflection lens without top coating and the number needed for the given lens measured.

Pure transparency

A very high scratch-resistance

Crizal® Alizé™ lenses are more scratch resistant than other lenses and as they require less cleaning, the risk of scratching the lens is greatly reduced.

SCRATCH RESISTANT



A consistently high anti-reflection performance

There is an 80% reduction in the amount of reflection with Crizal® Alizé™ compared to uncoated lenses:

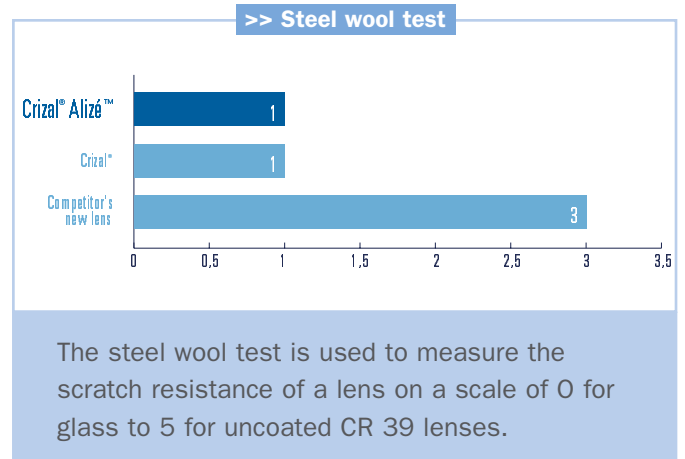
- **Crizal® Alizé™ light transmission lenses: 99.2%**
- **Standard uncoated lenses light transmission: 92%**

ANTI-REFLECTIVE



An efficient production process

The many features of Crizal® Alizé™ are obtained in a single integrated process that creates gradually denser layers for greater cohesion and strength.



High scratch resistance and anti-reflection performance.

Product Range

Crizal® Alizé™

Availability Single vision:

- Spheric Airwear
- Aspheric Airwear
- Spheric Stylis 1.67
- Aspheric Stylis 1.67

Availability RX:

- Orma
- Ormex
- A/W Stylis

Glazing Crizal Alizé lenses

Unlike some of our competitor's lenses, Crizal Alizé lenses can be glazed successfully in your own workshop.

The distinctive features of the lens are protected by a special coating for ease of edging. This coating provides 'posilock' adhesion which means that as well as edging, other operations such as grooving, drilling and re-touching can all be completed without any problems.

The special coating has a blue-purple hue (visible in reflections) which can be cleaned towards the end of the mounting process - giving the Crizal Alizé coating it's original clear aspect.

How to order Crizal Alizé

Varilux Ellipse lenses can be ordered directly from Essilor, through a Varilux Specialist Laboratory or a Wholesale Glazing Partner.

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