

Parking in the dark?

Elastocolor[®] *Paint*



Coating the inside of your parking structure with *Elastocolor Paint* is a low-cost and efficient solution for an immediate improvement to the lighting conditions in your garage, in addition to providing an upgrade to the overall visual appeal of your property.

Lighting considerations

- A key security measure
- Enhances user comfort and perception of safety
- An attractive business amenity
- Permits safe movement for pedestrians and vehicles
- Enhances signage visibility and readability



MAPEI USA





Light reflectance from concrete varies greatly by type, mix design, exposure, age, etc. Our own reflectance measurements for new cinderblock average 52.9%¹. However, coating the cinderblock with the highly reflective *Elastocolor Paint* will increase the reflected light by 45%.

For the purposes of this discussion, illuminating a 200-square-foot (18.6-m²) area to the recommended lighting level of 10 Lux², gray cinderblock walls would require about 1120 lumens. When the area is painted with *Elastocolor Paint*, the same level of illumination will increase the luminance to 60 Lux³.

[Additional benefits of painting with *Elastocolor Paint*](#)

- Improved lighting efficiency
- Enhances appearance
- Effective barrier against chloride and CO₂ diffusion
- Enhanced cleanability
- Improved customer perception

[MAPEI's *Elastocolor Paint*](#)

An advanced, high-build acrylic coating with exceptional application and performance characteristics

[Elastocolor Paint – 8 mils DFT](#)

Test	Result	Benefit
Contrast ratio	99.9%	Hiding power
Reflectance CIE L*a*b*	97.5%	Level of whiteness
Scrub resistance – ASTM 2486	6,000 scrubs	Abrasion resistance
Abrasion resistance – ASTM D968	793 U.S. gals. (3 000 L)	Abrasion resistance
Adhesion to concrete – ASTM 7234	352 psi (2.43 MPa)	Bond strength with the substrate
Impact resistance – ASTM D2794	150 in. lbs.	Force required to damage the film
Permeability – ASTM D1653	12.2 perms	Transmission of water vapor
Elongation – ASTM D412	338%	Ability of the coating to deform without breaking
Tensile strength – ASTM D412	320 psi (2.21 MPa)	Maximum stress during elongation

Please refer to the *Elastocolor Paint* Technical Data Sheet for additional performance and application information.

For a complete single-source project solution, consider using MAPEI's *Mapefloor*TM parking deck system, which creates a flexible waterproofing membrane for heavy pedestrian and vehicular traffic. The membrane is designed to protect parking decks against abrasion, fuel and oil leaks, water and salt intrusion, as well as provide an attractive non-slip finish to enhance your customer's experience.



Contact your local MAPEI area representative to discuss the benefits of our various coatings systems.

References

¹ CIE L*a*b* D65 at 10°

² Illuminating Engineering Society (IES) RP 8-18 recommended vertical minimum, measured in the middle of the travel lane at a height of 5' (1.52 m) and between two adjacent luminaries

³ This calculation is based on a given set of assumptions. Individual results may vary.