

# Adfil® Durus EasyShot 50

Synthetic macro-fiber  
for reinforced shotcrete

## DESCRIPTION

Adfil® Durus EasyShot 50 is specifically designed for the application in sprayed concrete. Adfil® Durus EasyShot 50 macro fibres improve the economics of every shotcrete project, providing reliable three-dimensional primary reinforcement. Typical end-uses include tunnelling and mining.

Adfil® Durus EasyShot 50 significantly increases the ductility and toughness of the concrete while reducing drying shrinkage cracking. Adfil® Durus EasyShot 50 improves safety on site while extending the service life of the finished concrete surface. The ductility of Adfil® Durus EasyShot 50 reinforced concrete has been tested according to EN 14488-5 and its American equivalent ASTM C1550.

## BENEFITS

- Significantly increases toughness of sprayed concrete
- Low cost per joule energy absorption
- Reduced rebound during spraying
- Improved construction-site safety and efficiency
- Rust and corrosion-free, ideal for any environment
- Significant reduction in embodied CO<sub>2</sub> in comparison to steel
- Minimal wear on equipment

## APPLICATION

- Tunnels (initial support in hard rock and soft ground, reinforcement of linings)
- Mines (initial support in hard rock and soft ground)
- Slopes (stabilisation)

## INDICATIVE INFORMATION

Product Nature	100% virgin polypropylene
Color	White
Apparent density	0,916
Fiber length	50 mm
Ignition temperature	360 °C
Equivalent Diameter	800 µm
Tensile strength	600 MPa
Elastic Modulus	7 GPa
Melting point	165 °C

## PACKAGING

- Pucks in 3kg water soluble bags

## METHOD OF USE

Adfil® Durus EasyShot 50 is typically dosed between 3 - 5kg/m<sup>3</sup>. Contact Chryso for assistance with fibre dosage recommendations - our Project Insured consultants can tailor a fibre reinforced concrete design to suit your concrete application.

When adding fibres into a cementitious product, careful attention must be taken in the batching and mixing procedure to achieve optimum results. If you need further details on recommended mixing instructions, please consult a member from Chryso team.

## PRECAUTIONS

- Fibres must be stored on a clean surface in dry conditions, undercover and away from the possibility of damage

## NORMS & REGULATIONS

- Conforms to ASTM C 1116 and BS EN 14889 II
- Conforms to CE marking EN 14889-2:2006 II
- Plastic shrinkage reduction in accordance with ASTM C1579-13

## SAFETY

Adfil® Durus EasyShot 50 fibres are not considered dangerous to handle.

Prior to any use, please read carefully the Safety Data Sheet (SDS).