



**HIGH-BUILD GLASS FLAKE REINFORCED EPOXY COATING  
FOR DEMANDING STEEL ENVIRONMENTS**

# INERTA 165 GF

Designed for immersed, buried and mechanically stressed steel structures where corrosion protection alone is not enough.

Built on proven INERTA epoxy expertise and reinforced with glass flake technology for harsh operating conditions.

## Key Features

- Excellent corrosion protection and mechanical resistance
- > 20% non-micronized lamellar glass flake
- Direct-to-metal application
- 500–1000 µm DFT in one coat
- 92% solids, very low VOC
- Excellent adhesion to steel
- NORSOK M-501 Edition 7 System 7A
- Designed according to ISO 24656 Category V coating system principles



## Benefits at a Glance

**Built for demanding environments**

→ For steel exposed to immersion, abrasion, impact and mechanical stress.

**High-build efficiency**

→ Supports efficient application with high film build in one coat.

**High-quality glass flake reinforcement**

→ Designed to support coating integrity in immersed and high-wear environments.

**Proven INERTA expertise**

→ Extends proven epoxy experience in water-facing and mechanically stressed steel protection.



### WHERE INERTA 165 GF PERFORMS BEST

**Offshore & Energy**

Offshore wind foundations, offshore oil & gas structures, splash zones, boat landing areas

**Hydropower**

Penstocks, spillway gates, lock gates and sluice gates

**Water Infrastructure**

Immersed steel structures, buried steel pipelines, waterways and water-facing steel structures

**Industry**

High-abrasion steel structures

### TECHNICAL SNAPSHOT

Parameter	INERTA 165 GF
Technology	2K glass flake reinforced epoxy
Application	Direct-to-metal
DFT	500–1000 µm
Solids	92%
Qualification	NORSOK M-501 Ed.7 System 7A

## Technology Insight: Why Glass Flake Matters

INERTA 165 GF contains >20% non-micronized lamellar glass flake.

The reinforced coating structure supports coating integrity, abrasion resistance, impact resistance and long-term barrier performance in immersed and mechanically demanding conditions.

**Protection for steel exposed to more than corrosion.**



**Built on INERTA experience**

Proven INERTA epoxy technology in hydropower waterways and submerged steel gate applications.

Now extended with glass flake reinforcement for harsher operating conditions.

Talk to Teknos about the right coating system for your application →