

# CORROSHIELD 7052 FT

## Flotation tank coating

Internal reference: BD7052 - Series: CORROSHIELD

### Product summary

High-performance wear-resistant polymer material for repairing chemical corrosion and abrasion caused by mineral particles in flotation tanks, or for generating pre-protection coatings on internal walls.

### Typical applications

- Flotation tanks
- Flotation internal walls
- Surfaces exposed to mineral abrasion
- Anti-corrosion protection in process service

### Key benefits

- Excellent wear and corrosion resistance
- Ambient-temperature cure
- Non-flowing surface during application
- High bond strength to metal
- Convenient construction

### Main technical data

Property	Value
Colour / state	Grey / Ointment
Density	1.8 +/- 0.1 g/cm <sup>3</sup>
Compressive strength	>= 930 kg/cm <sup>2</sup>
Shear strength	>= 160 kg/cm <sup>2</sup>
Tensile strength	>= 350 kg/cm <sup>2</sup>
Flexural strength	>= 490 kg/cm <sup>2</sup>
Hardness	>= 85 Shore D
Application method	Trowel
Working time	<= 35 min
Cure time	>= 24 h

Property	Value
Full load	$\geq 48$ h or 80 to 100C after 1 h
Service temperature	-60C to 90C
Mix ratio	A:B = 4:1
Thickness per coat	3 to 10 mm
Packaging	20 kg/set

### Recommended procedure

1. Prepare the surface by grinding or blasting; leave it dry and dust-free.
2. Mix A and B in a 4:1 ratio until fully homogeneous.
3. Apply the material and compact it firmly; use multiple layers when thickness exceeds 10 mm.
4. Cure for 24 hours at 25C before light service.

### Application notes

After ambient-temperature hardening, the coating may be heated at 80 to 100C for more than 1 hour to improve mechanical properties.

### Safety and storage

Use gloves, protective eyewear and adequate ventilation. Avoid contact with eyes and skin. Store in a cool, ventilated and dry place; keep away from children, ignition sources and hazardous objects.