

ZDS-CeramicArmor™ · CA SERIES

ZDS-CA1828

Coarse-Particle Impact Shield



Product Description

Coarse-Particle Impact Shield

Service Temperature

-60°C to +168°C

Mixing Ratio

A:B = 3:1

Cure Schedule

Pot life: 30 min (max. per ba...

Core Advantages

- ✓ High wear resistance
- ✓ Corrosion resistance
- ✓ High-temperature service capability

Applications

Chutes and hoppers, cyclones, separators, slurry and bulk-material systems, protective linings; protective coating, repair and rebuilding.

Technical Data

Density	2.38g
Tensile strength	≥33Mpa
Shear strength	≥16Mpa
Service Temperature	-60°C to +168°C
Mixing Ratio	A:B = 3:1
Cure Schedule	Pot life: 30 min (max. per batch 1.5 kg); : 12 h; Earliest return to service: 12 h; (/): 24 h □

Typical Application Parameters

Product Form	Coating
Mixed Color	Typical: Dark grey
Application Temperature	Recommended: 10°C to 35°C
Working Time (25°C)	30 min
Recommended Layer	Recommended: 0.5-1.0 mm / coat
Initial Cure (25°C)	Typical: 30-45 min

Application Guidance & Storage

- Surface preparation: Clean, sound and oil-free substrate; abrade metal or composites and remove dust before application.
- Application: Measure the stated ratio, mix until uniform, then apply and compact to minimise entrapped air.
- Environment: Keep the substrate at least 3°C above dew point. Cold extends cure; heat shortens working time.
- Storage & safety: Store sealed at 5-30°C in a cool, dry place; typical shelf life 12 months. Use gloves and eye protection; consult the SDS.

Application values marked Typical or Recommended are engineering guidance derived from the product type, stated performance and intended use. Confirm critical project parameters by application testing.