



PASTE[®]PRO

NEXT GENERATION PASTEFILL PIPE



Lateral pastefill bends



6m long Paste PRO vertical

PROBLEM

As a pastefill operator, you are expected to achieve reliable and effective pastefill delivery.

Excessive or sudden wear of your pastefill lines is a looming and real threat accounting for **22%* of all pastefill distribution failures.**

Ceramic pastefill pipes have proven to significantly increase wear life, but are hand-made, making them prohibitively expensive and often unreliable.

*Backfill pipeline distribution systems—design methodology review
R. Cooke, Paterson & Cooke, Denver, Colorado, USA. AUGUST 2007

SOLUTION

Paste PRO - digitally manufactured, ultra abrasion resistant, absolutely reliable and very affordable.

Paste PRO is designed to tolerate changing pastefill conditions so you can fill more reliably and more efficiently over more cubic meters.

SG3 TECHNOLOGY

Paste PRO is the **smarter alternative** to other expensive cast or hand-made ceramic lined pipe.



The toughest alumina, with a carefully selected ceramic micro-structure.



Highest packing density of ceramic reinforcements.



Computer controlled manufacturing process, guaranteeing precision and quality.

SG3 ceramic lining used in Paste PRO results in **remarkable quality and performance**, while significantly lowering costs.

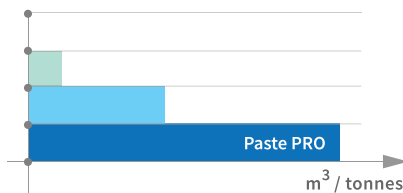
LESS RISK

Coloured epoxy used in other ceramic pipe hides flaws lurking under the lining surface. **Paste PRO's SG3 composite polymer is clear**, so you can feel safe knowing the quality is right.

- Easy to visually inspect
- Nothing to hide

BETTER PERFORMANCE

Wear in pastefill pipes is caused by small, high velocity particles. **Paste PRO's "SG3"** ceramic lining has been specifically designed to tackle pastefill wear.



AFFORDABLE SOLUTION



Paste PRO is an **affordable solution** for pastefill operators tackling high-wearing pipes, who want to **deliver fill more reliably and more efficiently**.



SMARTER DESIGN

Available in **up to 6m+ lengths**, Paste PRO ceramic pipe means significantly reduced installation costs. Over 50% less joints than other ceramic lined pipes.

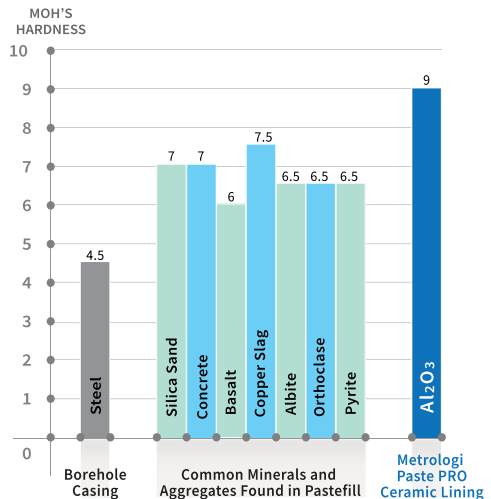
BETTER VALUE

Other ceramic paste pipe can perform very well, but they come with a very high price tag. For pastefill operators this simply shifts their operational risk to financial risk. The truth is, high performance ceramic pipe does not need to be so expensive.

SPECIFICATIONS

Ceramic	90% AL ₂ O ₃
Compressive strength (ASTM-C773-88)	1461.7 MPa
Vicker's hardness (ASTM E384-89)	1136 VHN
Fracture toughness (Vickers Indentation)	3.3 MPa/M ^{1/2}
Glass transition (Post cure)	123 deg C
Cured density	~2.92 g/cm ³

ABRASION RESISTANCE





Seeing is believing!

As soon as you see **Paste PRO**, you'll know it really does take pastefill to another level.

A limited batch of **Paste PRO samples** is being produced, so people can see for themselves.

If you, or anyone else you know, would like a **free sample**, get in touch with us now:

sales@metrologi.io

ABOUT US

Our specialty has been solving tricky or severe abrasion problems in critical, high throughput pipe and bulk material handling assets, including mine pastefill systems.

During this time we found that while the technology existed to fix these abrasion problems, it remained too expensive for most people. So, people had to tolerate the problem, never realising what they were missing out on.

This is crazy, because the truth is, **this technology DOES NOT need to be so expensive.**

We believe that the highest performance technology should be affordable for all mine sites, not just those with big budgets. So, with our strong foundation in mining, and our combination of material science, manufacturing, engineering and business expertise, we founded **Metrologi**.

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PASTE^{PRO}