

SURFACE EQUIPMENT



Liquid accelerator tanker, cement hopper, diesel powered mixer & pump system.



Trailer mounted, electric powered operations.



Cement storage silos.



J-CRIB[®] PUMPABLE CRIB

CHEMICAL ROOF SUPPORT
ROCK STABILISATION AND VENTILATION SEALING PRODUCTS



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J-CRIB® Pumpable Crib



J-CRIB® is a specialized pumpable cement and containment bag that replaces conventional timber cribs in longwall tailgates and bleeder headings. The state-of-the-art mixing and pumping system, together with rapid gelling characteristics of the J-CRIB material ensure simple and fast installation. The rapid strength gain provides early resistance to mine roof convergence and bed separation.

J-CRIB is a two part system consisting of Part A and Part B, which when mixed together rapidly react to produce a load bearing mine roof support.

J-CRIB (Part A) is a non-combustible grey powder that forms an easy to pump slurry when mixed with water.

J-CRIB (Part B) is a non-combustible low viscosity easy to pump liquid accelerator.

When mixed together, they gel in less than 30 seconds allowing the top of the crib to be pressurized against a stiff base.

Advantages

- High efficiency mixing and pumping equipment
- High yield, approximately 90% by water volume
- Long distance pumping, up to 18,000 ft (5486 m)
- Long pumping life, minimum 12 hours
- Consistent performance with pressurization of bags ensuring good contact with mine roof and even load bearing capacity
- Rapid gelling allows bags to be filled completely without additional form work
- Yields controllably to ground pressure

Technical Data – J-Crib Support Capacity

	Diameter (mm)	Height (m)	Support (MT)
Non-Cutttable	914 mm	3.6 m	300 MT
Cutttable	914 mm	3.6 m	180 MT

Technical Data – J-CRIB Packaging and Shelf Life

	Packaging	Shelf Life
Part A	Delivered in bulk tanker to silo or hopper	12 months if stored in dry and cool conditions
Part B	Delivered in bulk tankers	12 months if stored above 40°F (4°C)



QUICK RESPONSE MOBILITY

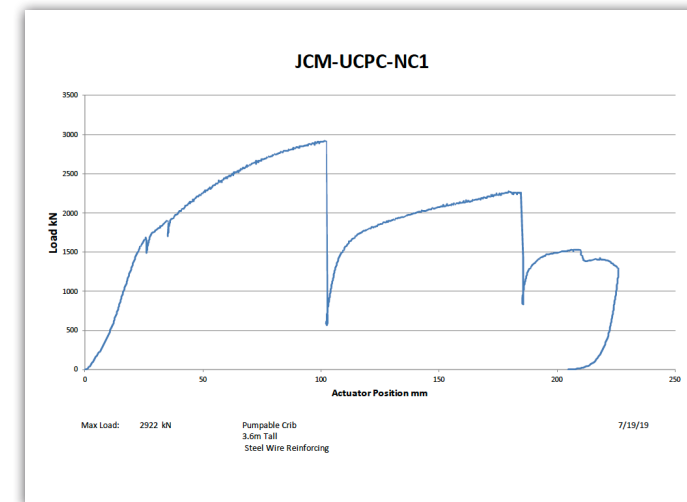
J-CRIB surface equipment is operated from a flatbed trailer allowing for fast response and relocation. The liquid accelerator is transported and stored in full-size tanker trailers further contributing to the systems mobility.



J-CRIB® Variations



NON-CUTTABLE J-CRIB

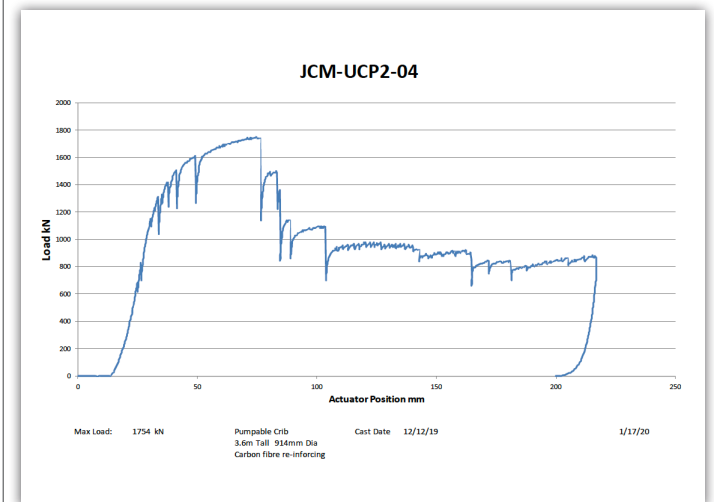


Before



After

CUTTABLE J-CRIB



Before



After

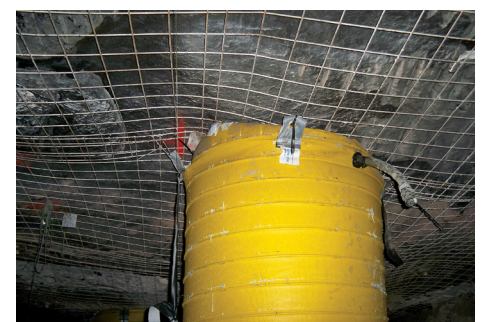
UNDERGROUND INSTALLATION



J-CRIB bag attached to wire mesh.



Powder and accelerator lines.



Pumped full and pressurized.

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