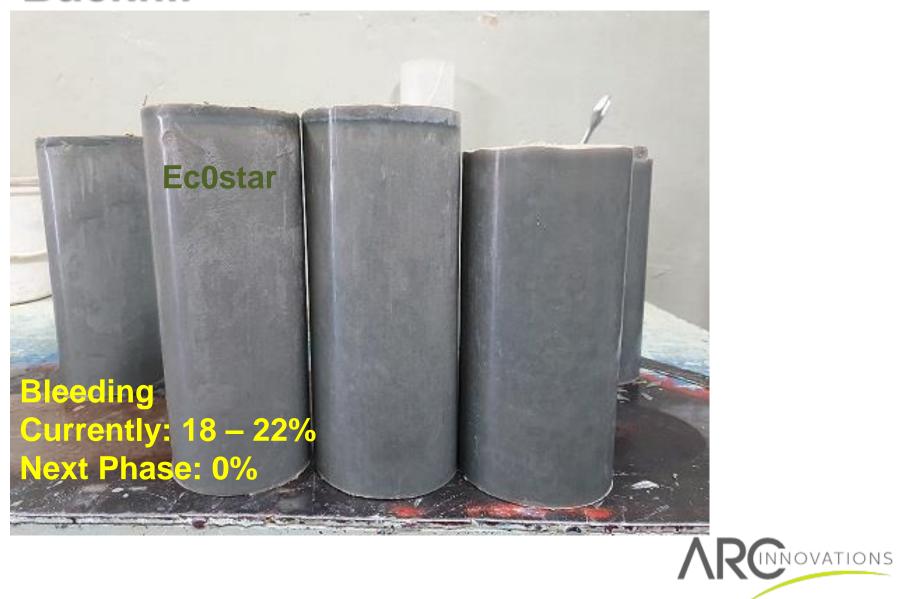
BACKFILL BINDER-EC0STAR



Backfill







Innovations and Improvement

ARC Innovations' technical department has initiated several development programs to improve on the current product.

The phase 2 product that we are looking to implement in 2021 will have a 0% bleed that is required to attain tight-fill and reduce the amount of water seeping through the rock or into excavations.

Further research and development has commenced on an improvement of strengths and stability.



Innovations and Improvement

ARC Innovations are currently working on an underground Mine roads project to improve the transportation of material inside a Mine.

45%-55% of the material that will be used in the mix is currently sourced underground thereby reducing the cost significantly.





Innovations and Improvement





Mining Charter Compliance

There are several advantages of purchasing Ec0star in terms of the Mining Charter Compliance as Ec0star is a 100% locally manufactured product and ARC Innovations are a level two B-BBEE compliant company with 65% black ownership.

The inclusive procurement, supplier and enterprise development target is to procure 70% locally manufactured mining goods with a 60% local content.

The 5 year compliance target is 21% of total mining goods procurement budget must be spent on South African manufactured goods produced by Historically Disadvantaged Persons owned and controlled company that holds a weight of 5%.

The 5 year compliance target is 44% of total mining goods procurement budget must be spent on South African manufactured goods produced by BEE compliant company that holds a weight of 5%



Cost saving

Due to the lower bleed of the Ec0star compared to the current product, there is an immediate cost saving of placed backfill underground compared to other backfill binders.



