

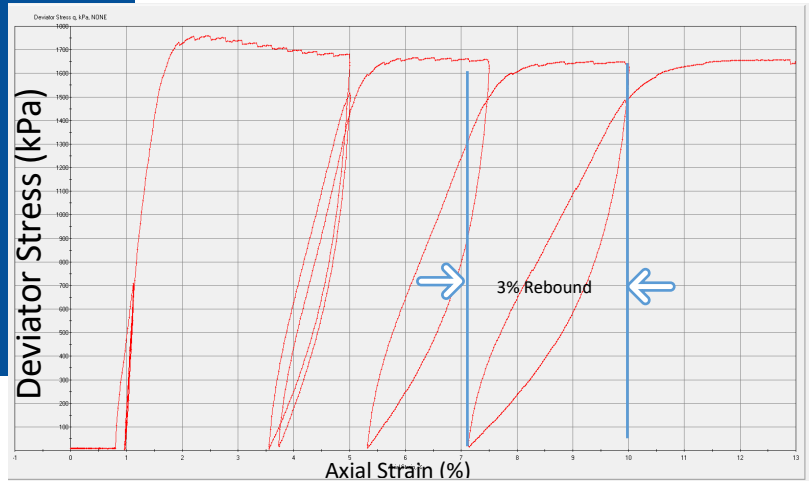
KM22

Compressible Rebounding Grout

PROJECT SPECIFIC MIX DESIGN

KM22 is a patent pending mix of 100% recycled crumb rubber and portland cement.

The mix can be designed for specific projects to react based on the percent blend.



ON SITE MIXING

Mixing is done on site as needed for the project. The Crumb Rubber is delivered in a one ton super sack and will need to be blown into the planetary mixer prior to the addition of the cement.

Once the cement and rubber proportions are in the mixer water is added and the mix is mixed until the material is uniform. From there the mix is pumped into the tunnel and placed in the annular space.

RELIABLE PERFORMANCE

Tested by the Bureau of Reclamation for extreme pressures KM22 increases in rebounding as the material is compressed.

Our white paper covers the information in more detail and can be found on our website.

DELIVERY AND STORAGE

The crumb rubber is packaged in one ton super sacks with up to 16 super sacks per delivery.

These super sacks can be stored outdoors and used when needed. If the material will not be used for more than three weeks they should be covered from the sun and rain.

Material performance is not sensitive to cold temperatures. If the material is exposed to extreme temperatures for more than a week the material may impact the overall performance of the cement as the grout temperature will be impacted by the temperature of the crumb rubber.

LOW COMPRESSIVE STRENGTH BY DESIGN

Compressive strength is at or below 250 psi. This designed low strength allows the grout to absorb the earth pressures and not transfer them to the tunnel walls.

Technical Contact:

Kevin Foody KM Materials, 412-225-1110
kevin.foody@kmmaterials.com