

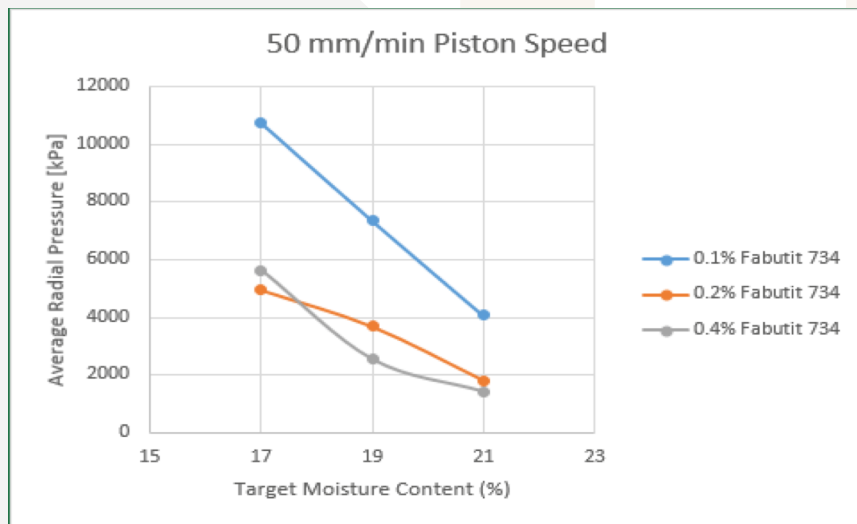
Fabutit 734

Higher Output, Tighter Tolerances and Savings

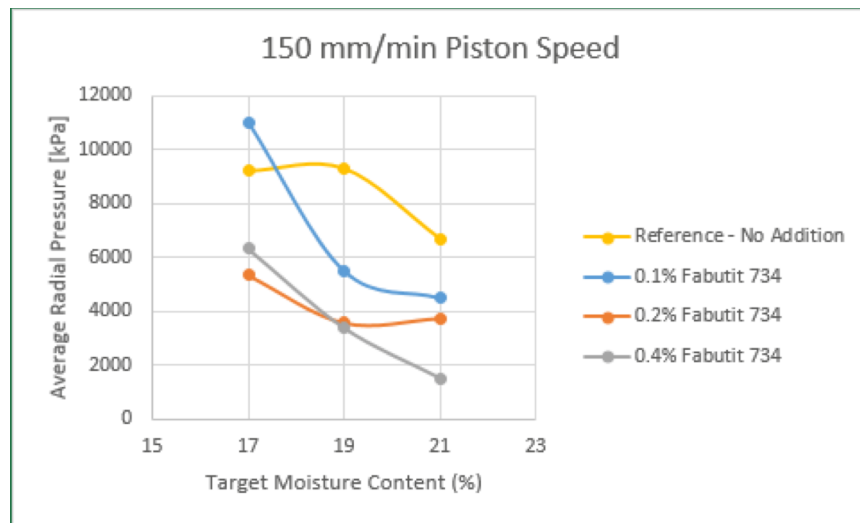
BassTech International has been a steady presence in the Brick and Tile Industry for almost 30 years, supplying our unique grade of Barium Carbonate designed specifically to stop scumming. One of BassTech's core philosophies is to stay innovative and listening to the needs of our customers, which includes improving efficiencies and saving money. With this mindset, we developed our Fabutit 734, a performance additive for the structural clay market.

Our Fabutit 734 is a high performance deflocculant optimized exclusively for clay bodies. The product has a documented record of significantly decreasing water demand by improving surface tension between particles, while increasing green strength and extrusion quality. Lower water demand reduces shrinkage, improves dimensional tolerances, eliminates surface cracks, lower energy costs associated with drying, reduces die wear, lower porosity (improving freeze/thaw cycles), improved green strength with an overall increase in capacity.

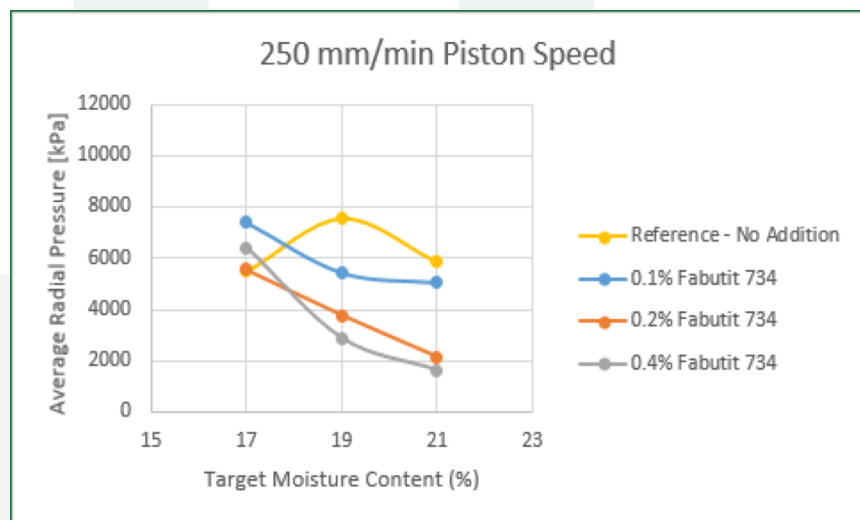
We are pleased to share the findings of the National Brick Research Center, who validated the remarkable benefits from the use of Fabutit 734. Below please find a graphical representation of the performance benefits versus addition ratios of Fabutit 734 at three different moisture constants. The objective of the test was to compare the pressure required to maintain flow at three shear rates.



Graph 1: Average Radial Pressure at 50 mm/min Piston Speed



Graph2: Average Radial Pressure at 150 mm/min Piston Speed



Graph 3: Average Radial Pressure at 250 mm/min Piston Speed

The graphs above illustrate additions of Fabutit 734 decrease the radial pressure compared to the control sample. Based on the ratio of Fabutit 734 added to your mixture, water requirement will decrease while keeping a constant pressure. Our Fabutit 734 is effective at limiting water demand while increasing green strength. With less water being used, it will lead to decreased shrinkage issues, improved tolerances, lower energy costs, reduced die wear and lower porosity (improving freeze/thaw cycles).

If you would like to learn more about using Fabutit 734 in your manufacturing process, please contact us at (201) 569- 8686 or email at info@basstechintl.com.