



550 N. STATE STREET
 YORK, PA 17403 USA
 Phone 717-848-2801
 www.readco.com



Modified Asphalt Material Case Study

Application:

Dissolve and disperse additives and fillers into the asphalt with **short residence process time**. Utilize dual Processors in order to **reduce or eliminate** the need for heating large storage and mixing tanks for extended periods.

Challenge:

Asphalt is enhanced by **introducing additives** such as rubber pellets, oil, etc. The process for incorporating these additives is **very time consuming**. The material typically must be kept at an elevated temperature (above 300°F) throughout the process **consuming large amounts of energy**.

Process Conditions:

Asphalt Blend	94%
Additives	6%
Jacket Temperature	400°F (constant)
Shaft Speed	300 rpm



Solution:

The Continuous Processor is able to **dissolve and disperse the additives and fillers** into the asphalt in **less than five minutes** utilizing **less energy and a smaller footprint** compared to typical systems.

Benefits:

The customer's current process requires five plus hours and involves 1,000+ gallon tanks. The **proven time and energy savings are extensive**. With the process being continuous, the system could be run on an **"as needed" basis, greatly reducing or eliminating work in progress storage**.

Continuous Processor—CP

Features and Benefits:

- Customized Paddle Arrangement*
- Shorter Cycle Time*
- Fewer Process Steps*
- Less Waste*
- Product Consistency*