

TARGETED SOLUTIONS FOR COSTS AND STRENGTH

BONDSTAR PLUS SERIES Steel Dust Binders



ADD STRENGTH TO BRIQUETTES

BONDSTAR PLUS series of natural polymers will provide you with cost-efficient briquetting along with enhanced briquette durability by strongly binding together your steel dust and other waste materials. With mechanisms developed by our experienced scientists, BONDSTAR PLUS products will take your briquettes' binding strength and sticky control to the next new level, at a lower cost.

FEATURES & BENEFITS

Improves Bonding & Strength

- BONDSTAR PLUS products perform excellently during the process of briquetting to provide the optimum moisture control for superior compressive strength while also enhancing impact and shattering resistance of the final briquette without changes to the structural integrity.

Ease of Using

- BONDSTAR PLUS products require minimal heat processing and disperses easily in water with minimum agitation to deliver the durability characteristics specifically important in steel dust briquettes under high temperature and chemically reducing conditions.

Save Money

- The optimum binder delivers superior performance at a cost-effective application rate, so by using the smallest concentration of BONDSTAR PLUS you can reduce more than 40% of current dosage rates while achieving the highest quality briquettes with excellent weathering attributes.

CONVENIENCE & PERFORMANCE™



BONDSTAR PLUS SERIES binders

PRODUCT	BINDING STRENGTH	MOISTURE CONTROL	STICKY CONTROL	CHEMICAL TYPE	MECHANISM
BONDSTAR PLUS 7000	Superior	Superior	Superior	Semi-Organic	Chemical Film
BONDSTAR PLUS 8000	Very Good	Good	Very Good	Organic	Surface Tension

Real Life Case

1 challenge

A Customer was facing pressure to reduce production costs. However, they wanted to maintain their operation procedures and did not want to change their process and formulation while also avoiding capital investment costs.

2 solution

Ingredion experienced specialists were invited to conduct a survey to investigate the operations of the Customer and in turn provide a solution. BONDSTAR PLUS was recommended to achieve total cost savings with zero impact to daily operations or requirement for any new investment.

3 results

BONDSTAR PLUS reduced the current binder dosage rate by approximately 70%, significantly exceeding the Customer's expectations. With this result, the Customer now has the flexibility to determine the dosage they need based on variations of the in-coming raw materials and process changes.



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Delivering solutions.[™]

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