



Fibers for Life.



ARBOCEL® /ALPHA-CEL®

Cellulose for Welding Applications

Sustainable product
made from natural,
high-quality raw
materials

BENEFITS

- Reinforces coating consistency
- Enhances arc strength
- Aids in extrusion
- Prevents slag movement

ADVANTAGES

- Even drying process
- Prevents crack formation
- Quality product
- Faster production process



Product magnified

ARBOCEL® BWW 40



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OVERVIEW

J. Rettenmaier USA cellulose-based products are naturally derived, environmentally friendly, and cost effective solutions for welding rod formulations. JRS USA maintains the highest quality standards in the industry, ensuring consistent performance and ease of use

FUNCTIONALITY

During the burning stage, the cellulose fiber causes a high gas pressure in the direction of the weld seam. The combustion causes a rapid flow and deep fire. Slag is fixed and has no chance to move, giving exceptional weld results even in difficult positions.

BETTER PERFORMANCE

ARBOCEL® and ALPHA-CEL® cellulose fibers create a three dimensional fibrous framework which supports an even drying process and prevents the formation of cracks during electrode production, giving you a better quality product and a faster production process. The specific fiber length and wicking nature of JRS cellulose fibers help to provide optimal extrusion and bond strength around the electrode. The addition of JRS USA cellulose fibers reinforces coating consistency, enhances welding arc strength, aids in extrusion and prevents slag movement.



RECOMMENDED JRS PRODUCTS FOR WELDING ROD APPLICATIONS

Product Code	Appearance	Fiber Length (µm)	Density (g/L)
ARBOCEL® BWW 40	White powder	250	130
ARBOCEL® B 800	White powder	120	176
ARBOCEL® BH 40	White powder	60	182
ARBOCEL® BH 100	White powder	40	248

