

## GENERAL INFORMATION

**Use Temperatures:** Oxidizing 1800°F (982°C)  
 Vacuum 2550°F (1399°C)  
 Inert 3300°F (1816°C)

**Electrical Resistivity of:  
 Boron Nitride Component** >1 x 10<sup>15</sup> ohm-cm - typical  
**Coverage Area:** ATP-R10, -R10B, -R33 approx. 300-600 ft<sup>2</sup>/gal  
 ATP-R11, -R11B approx. 400 ft<sup>2</sup>/gal

**Available Volumes:** 1-pint  
 1-quart  
 1-gallon pail  
 5-gallon pail  
 \*aerosol version available in 12 oz. can or  
 packages of 6x 12 oz. cans  
 \*larger volumes available upon request

**Shelf Life:** in excess of one year  
**Storage:** stored indoors in the original unopened  
 and undamaged container, in a dry place at  
 a temperature not exceeding 85°F (30°C)



## Selection Guide for ATP Boron Nitride Coatings

Product	ATP-R10	ATP-R10B2	ATP-R11	ATP-R11B	ATP-R12	ATP-R20	ATP-R33
<b>Color</b>	White	Blue	White	Blue	White	White	White
<b>Vehicle</b>	Water	Water	Water	Water	Water	Organic Solvents	Water
<b>Binding System</b>	Bentonite	Bentonite	Alumina	Alumina	Bentonite	Bentonite	Silicate
<b>% Solids</b>	10-20%	10-20%	15-25%	15-25%	30-50%	n/a	15-25%
<b>Relative Hardness</b>	4	4	2	2	4	3	1
<b>Application/Uses</b>	<b>Paint/Dip</b> Economical Release Protective Coating Excellent Lubrication Laundries & Runners Auto-Pour Ladles Troughs & Tubes Funnels & Spouts Filter Bowls, Boxes Caster Tips Dross Press Heads Electrical Heating Elements Weld Spatter	<b>Higher Visibility</b> Economical Release Protective Coating Excellent Lubrication Laundries & Runners Auto-Pour Ladles Troughs & Tubes Funnels & Spouts Filter Bowls, Boxes Caster Tips Dross Press Heads Electrical Heating Elements Weld Spatter	<b>Paint</b> Release Forging Excellent Lubrication Refractory Protection Laundries & Runners Auto-Pour Ladles Troughs & Tubes Funnels & Spouts Filter Bowls, Boxes Caster Tips Dross Press Heads Electrical Heating Elements Weld Spatter	<b>Higher Visibility</b> Release Refractory Protection Excellent Lubrication Laundries & Runners Auto-Pour Ladles Troughs & Tubes Funnels & Spouts Filter Bowls, Boxes Caster Tips Dross Press Heads Electrical Heating Elements Weld Spatter	<b>Paste Version</b> Release Protective Coating Excellent Lubrication Melting & Casting Al, Mg, & Zn Ceramic Hot Pressing Decanning for Hot Isostatic-Pressing Composite Forming Glass Forming Superplastic Forming of Titanium Diffusion Bonding Extrusions Braze Stop-off	<b>Aerosol Version</b> Release Forging Protective Coating Excellent Lubrication Hot-Pressing Glass Forming Weld Spatter Forging/Extrusion Superplastic Forming Electrical Heating Elements	<b>Hard Coat</b> Release Protective Coating Excellent Lubrication Immersion Tubes Metal Troughs, Molds Ladles, Skimmers Dross Buggies Shot Screens Stalk Tubes Funnels Electrical Heating Elements