



120 Valley Court
Oak Ridge, TN 37830
Ph: 865-482-5717
FAX: 865-482-1281
zypcoatings.com

Family Of Aluminum Oxide Specialty Products

Water-Based Coatings

- [Type A1](#) ... 100% Aluminum Oxide, moderately-hard coating; usable to 1800 C in all atmospheres
- [Traycoat AW](#) ... Alumina coating, same as Type A1 but directed towards customers coating sintering trays; good to over 1500 C in vacuum/air/inert atmospheres
- [Ceraseal A](#) ... Aluminum Oxide coating for sealing ceramic surfaces with a tough, abrasion-resistant layer; for use to over 1000 C in all atmospheres
- [Cera Glue AA](#) ... Proprietary mix with Yttrium Aluminate for bonding Alumina parts, usable to 1500 C in air/OK in all atmospheres
- [Zypcoat YAG](#) ... 100% Yttrium Aluminate coating, usable to over 1400 C in all conditions
- [YAG BondCoat](#) ... Yttrium Aluminate phosphate-bonded for erosion resistance; usable to 1400 C with most conditions
- [Zypcoat ALT](#) ... Aluminum Titanate coating – usable to 1400 C in all atmospheres
- [Zypcoat MAO](#) ... 100% Magnesium Aluminum Oxide coating – usable to 1500 C in all atmospheres
- [YAG Binder](#) ... Gel-like binder/suspender liquid of colloidal Yttrium Aluminate with 1900 C utility in all atmospheres
- [LRC Binder](#) ... Gel-like binder/suspender liquid of colloidal Aluminum Oxide with 1900 C utility in all atmospheres
- [ZAP Binder](#) ... water-alcohol Aluminum Phosphate based binder for making tough/abrasion-resistant coatings; usable to 1600 C with all atmospheres
- [Toughseal](#) ... water-alcohol Aluminum Phosphate based rigidizer for sealing surfaces; usable to 1600 C with all atmospheres
- [Gel-P](#) ... Gel-like binder of Aluminum-Silicon-Phosphate for making high-hardness coatings; usable to 1500 C with all atmospheres
- [TAP Ink](#) ... Titanium-Aluminum-Phosphate (TAP) water-resistant ink for making/ID/Coding of parts; usable to 800 C in all atmospheres

Powders

- [CA-AT 1400 Powder](#) ... powder that forms instant 'slurry' on adding water for ambient pouring/casting/cementing of Calcium Aluminate/Aluminum Titanate based refractory which, after firing, is usable to 1400 C in all atmospheres

Solvent-Based Coatings

- [A Aerosol](#) ... aerosol spray-can of Aluminum Oxide – forms a soft coating yielding over 98% pure Al_2O_3 as fired; air usable to 1800 C/ OK in all atmospheres
- [Traycoat A Aerosol](#) ... same as A Aerosol spray-can but directed towards customers coating sintering trays
- [A Aerosol Brushable](#) ... "bulk" version (same otherwise as the aerosol-can version)
- [Traycoat A Aerosol Brushable](#) ... same as A Aerosol Brushable but directed towards customers coating sintering trays
- [ChillOff A](#) ... Aluminum Oxide coating for dissipating heat derived from electronics; usable in air to 250 C