

TRU TUNCARB TS

GENERAL INFORMATION

TRU STEEL METALS introduces **TRU TUNCARB TS**. Metal coating protection from abrasion, corrosion, cavitation, high heat and erosion for the industrial, mining, power-producing and agricultural communities. Thermal Spray coatings to help improve wear-life or the dimensional repair of worn areas on tools, dies, cutters, rollers, mandrels, shafts, pumps and more!

TRU TUNCARB TS can reduce abrasive wear and/or corrosion resistance perpendicular to most metal substrates involving low, normal and high temperatures and/or rotational speeds (up to 800 rpm). A protective barrier of 0.002" up to 0.060"* on substrate metals with **TRU TUNCARB TS** (Rc 33-72) allows it to exhibit its abrasive wear-reducing capabilities where thickness tolerances are critical. Coatings can be applied at 0.001" per pass and left with an as-sprayed finish or precision ground to tolerances in the millionths with surface finishes as fine as Ra=4-8.

Specific *wear-abrasion* uses include compression rods, pump seals and impellers, plug gages, expanding mandrels, grinder knives, palletizer knives, glass-fibre chopping blades, wear sleeves and rings, ball bearing seats, perforating and slitting equipment and extruder and injection mechanisms.

High heat uses range from MHD dielectrics, burner linings (coal), thermocouple sheath coating for ferrous alloys, coal slurry pump linings, high temperature valves, flue-gas linings and flares to exhaust mufflers on furnaces, induction coils, continuous casting molds and galvanizing dip tanks.

TRU TUNCARB TS coatings have been utilized for a wide variety of applications with still many more uses to be discovered! Please contact your **TRU STEEL METALS** representative with any potential uses or inquiries you may have in relation to problem identification, selecting the appropriate coating type (**HT, HTC, PSR**), field testing and implementation for your specific needs.

The *Ultimate results* gained by using

TRU TUNCARB TS will be:

- Lower repair and replacement costs
- Less downtime
- Increased productivity

Grind Fin, As-Sprayed, Diamond Polish, Original



Coating thickness is dependent on type of application

*Please ask your **TRU STEEL METALS** representative for more information.