**ENGINE COATINGS Air/Oven Cures**

**Pistons – Standard Size Non-Diesel Pistons**

|  |  |
| --- | --- |
| \*CBC2 on Top and TLML on Skirt\* | $46.00 each |
| CBC2 on Top and TLMB on Skirt | $52.00 each |
| Top Only with CBC2 | $30.00 each |
| Top Only with CBX - turbo only | $46.00 each |
| Skirt Only with TLML | $25.00 each |
| *\*Recommended for most pistons.* |   |
| **TLMB to Tighten Piston to Wall Clearances Up to .004″** |
| Heavy Skirt Build up with TLMB | $30.00 each |
| CBC2 on dome and Heavy TLMB | $58.00 each |

***Only consider heavy TLMB to tighten excessive clearance. Exact sizes cannot be held. Customer must hand polish heavy TLMB to hold size and control thickness.***

**Diesel:**See [diesel section](http://www.hpenginecoatings.com/coatings-price-list.php) for diesel piston coating prices

**Cylinder Heads – CBC2 Thermal Barrier Coating in Combustion Chambers and on Valve Faces**

|  |  |
| --- | --- |
| 10 Cylinder (pair) | $450.00 pair |
| 8 Cylinder (pair) | $340.00 pair |
| 6 Cylinder (pair or inline) | $265.00 |
| 4 Cylinder Inline | $230.00 each |
| 3 Cylinder Head | $150.00 each |
| 2 Cylinder Head | $100.00 each |
| Single Cylinder (Liquid or Air Cooled) | $50.00 each |
| Single Exhaust Ports (when coating chambers) | $30.00 each |
| 2 into 1 Exhaust Ports (when coating chambers) | $35.00 each |
| **Flow Coating for Intake Ports** |   |
| Single Intake Ports (when coating chambers) | $25.00 each |
| 2 into 1 Intake Ports (when coating chambers) | $28.00 each |

**Valve and Valve Train Components**

|  |  |
| --- | --- |
| Face and Radius Side (CBC2) | $16.00 each |
| Face Only (CBC2) | $12.00 each |
| Radius Side Only (CBC2) | $12.00 each |
| Stem (DFL-1 Low Friction) | $10.00 each |
| Valve Springs (Set of 16 DFL-1 Low Friction). | $150.00 set |
| Pair of Valve Springs DFL-1 Low Friction | $10.00 each |
| Solid Cam Follower DFL-1 Low Friction | $150.00 set |

**Engine Bottom End Components**

|  |  |
| --- | --- |
| Bearings TLML Single, Rod, Main or Cam | $12.00 each |
| Crank Shaft Oil Shedding | $250.00 each |
| Connecting Rods Oil Shedding. | $40.00 each |
| Oil Pump Low Friction | $50.00 starting from |

**Intake Manifolds**

|  |  |
| --- | --- |
| Bottom S Ceramic | $250 approx. |
| Top CBC2 Ceramic | $250 approx. |
| Top and Bottom CBC2 Ceramic | $150 – $280 |
| Top TLTD Heat Radiating Coating | $85 – $155 |
| Inside Runners Flow Coating | $180 |
| Inside Runners CBC2 Ceramic | $180 |

**Brake Components**

|  |  |
| --- | --- |
| Calipers CBC2 inside, TLTD Outside | $150.00 each |
| \**CBC2 cannot be applied to Powder Coated Parts* |   |
| Pads CBC2 Ceramic on Pad Back | $12.00 each |
| Extra Pistons CBC2 Ceramic | $18.00 each |

**Miscellaneous Parts for Special Power Coatings**

|  |  |
| --- | --- |
| Rotary Rotor faces for CBC2 Ceramic | $130.00 each |
| Rotary Rotor Gears, TLML Low Friction | $65.00 each |
| Transmission Gears TLML Low Friction | $5 – 20 each |
| Transmission Shafts TLML Low Friction | $8 – 25 each |
| Ring and Pinion set TLML Low Friction | $70.00 set |
| Intercoolers TLTD Heat Radiating | $200 est. |
| Water and Oil Coolers TLTD Heat Radiating - Based on Processing Time |   |

**Diesel Engine Components**

|  |  |
| --- | --- |
| Bearings TLML up to 3 inch in diameter | $12 pair |
| Bearings TLML over 3 inch in diameter | $14 pair |
| 6 Cylinder Exhaust Manifold | $300 approx. |
| Combustion Chambers CBC2 6 Cyl. | $450 approx. |

**Truck Pistons 4.0 inches and over, Cummins, Caterpillar, Detroit, Mack and others**

|  |  |
| --- | --- |
| CBC2 on Dome and TLML on Skirt | $70.00 each |
| CBX on Dome and TLML on Skirt | $80.00 each |
| CBX on Dome and TLMB on Skirt | $90.00 each |
| 2 Part Piston CBC2 and TLML | $80.00 each |
| CBC2 Only (2 or 1 Piece Pistons) | $55.00 each |
| CBX Coat Only (2 or 1 Piece Pistons) | $65.00 each |
| Skirt Only TLML (2 or 1 Piece Piston) | $32.00 each |
| Skirt Only TLMB (2 or 1 Piece Piston) | $40.00 each |

**Light Truck / Automotive Diesel Pistons**

|  |  |
| --- | --- |
| CBC2 on Dome and TLML on Skirt | $50.00 each |
| CBX Coat on Dome and TLMB on Skirt | $55.00 each |
| CBC2 Dome Only | $30.00 each |
| CBX Coat Dome Only | $35.00 each |
| TLML Skirt Only | $30.00 each |
| TLMB Skirt Only | $35.00 each |

**Glossary of Power Coatings**

**CBC2**- A ceramic Thermal Barrier Coating for engine parts. Applied about .002" thick.

**CBX**- This Ceramic Thermal Barrier designed specifically for pistons in extreme environments such as nitrous, turbo, and superchargers. About .003" thick.

**TLMB**- Extremely durable lubricating coating for piston skirts, gears and other parts. About .0008" thick when applied to piston skirts. Can be used to tighten clearance by adding up to .004" on some piston skirts.

**DFL-1** – Lubricating coating for low rpm motors such as diesel piston skirts. About .0008" thick when applied to skirts.

**TLML** – High load, thin, low friction coating.

**TLTD**- Heat radiating coating to dissipate heat (Thermal Dispersant)