



**Synthetic Diamonds – Natural Diamonds – CBN Cubic Boron Nitride –
Synthetic Diamond Powder for Polishing – Technical Consulting**

COMPOUNDS



Compounds

LANDS Superabrasives supplies a high quality smooth, safe and high performance diamond compound known as "LSDIAC".

LSDIAC compound is the ideal compound for grinding, lapping and polishing various materials from cemented carbides to precious stones. LANDS Superabrasives compounds are manufactured with specially formulated vehicles for all the needs of the polishing and finishing industries.

In LSDIAC compounds our LANDS Superabrasives micron powders will cut, polish and finish continuously. The diamond particles will roll around between tool and work-piece. All sides and every edge of the diamond will be used, since the diamond is suspended in the carrier. This will provide both a high quality surface finishing and an economical processing time as well.

DIAMOND TYPE

Two different types of diamond are available in LSDIAC paste, depending upon application:
LS600F: used for processing cemented carbide, steel and other metals (metallographic analysis).
LS600T: used for processing glass, crystal, PCD blanks, precious and semi-precious stones.

AVAILABLE SIZES

Our synthetic diamond micron powders, LS600F and LS600T, are micronized and graded according to both National and International Standards (ANSI B74-20, FEPA 1977, U.S. Bureau of Standards).

LSDIAC is available in a wide range of sizes. All compounds are color coded for easy identification.

| Size | Color Code |
|------|------------|
| ¼ | white |
| ½ | white |
| 1 | ivory |
| 3 | yellow |
| 6 | orange |
| 9 | green |
| 15 | blue |
| 30 | red |
| 45 | brown |
| 70 | purple |
| 95 | gray |
| 135 | black |

**Other sizes are available upon request*





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PACKAGING

LSDIAC is supplied in sealed plastic jars or syringes allowing a better and more precise dosing.

Availability is as follows:

Syringes or jars :2 5 10 15 18 20 and 25 gram/unit
Jars only :10 25 50 100 250 and 500 gram/unit

CONCENTRATION

LSDIAC is available in three concentrations: light, medium and heavy.

CARRIERS

The diamond powders are mixed in a variety of carriers in order to obtain a homogeneous, soft and well performing paste or compound. LSDIAC is available in an oil soluble, a water soluble and a both water and oil soluble carrier.

EXAMPLE FOR ORDERING LSDIAC

LSDIAC-AM-F6, 5 gr. syringe

A = oil/water soluble carrier
M = medium diamond concentration
F = LS600F diamond for metal processing
6 = 6 micron size (4-8 micron)

