

Product Data Sheet

XL-XTRABUILD Ceramic Carbide Putty

XL-XTRABUILD is a rugged and durable trowel grade wear resistant product. It is a 100% solids, "O" VOC, nontoxic, two part epoxy product formulated to give the maximum in abrasion resistance at temperature up to 500° F. XL-XTRABUILD is filled with both large particle, diamond hard Ceramic Beads and small Silicon Carbide Crystals to protect from both large and small particle impact and abrasion. It can be built up to thickness of 2 inches in one coat. It is particularly effective in coal mills and other mining equipment where severe wear conditions exist.

FEATURES

- Good chemical and thermal resistance
- Outstanding resistance to abrasion
- Long term flexibility
- Long term flexibility

PACKAGING

1 kg. (2.2 lb.) units; approximately 29 cubic inches
(4 kg. units also available)

COVERAGE

XL-XTRABUILD has the consistency of a heavy paste and can be applied up to 2000 mils per coat. Theoretical coverage at 125 mils is 1.6 square feet per kg. Although one coat will usually provide the required coverage, two or more coats will aid in the control of pinholes and holidays.

MIXING RATIO

3 parts base (B) to 1 part (A) hardener by weight
2.5 parts base (B) to 1 part (A) hardener by volume

POT LIFE

For a 1 kg unit mix at 70 F, pot life is approximately 35 minutes. High temperatures or larger mass will shorten this time, lower temperatures or smaller mass will extend it. Pot life can also be extended by spreading the mass out to dissipate heat.

TECHNICAL DATA AND INFORMATION

Basic Chemical Resistance at Room Temperature

| | |
|------------------------|-----------|
| Inorganic Acids Dilute | Very Good |
| Organic Acids | Good |
| Solvents | Fair |
| Alkalis | Very Good |
| Salts | Very Good |
| Alcohols | Good |
| Hydrocarbons | Good |

Typical Physical Properties of Cured System :

| | |
|-----------------------------|------------|
| Density | 2.11 |
| % Solids | 100 |
| Flexural Strength @ 70 F | 17,000 psi |
| Tensile Strength @ 70 F | 9,000 psi |
| Tensile shear @ 70 F | 1,500 psi |
| Service Temperature Maximum | 500 F |
| Operating pH Range | 2-14.0 |

SURFACE PREPARATION

- For maximum adhesion, material should be applied to a firm, clean, dry and abraded surface.
- Clean greasy, oily or waxed surfaces with suitable solvent before applying material.
- Best results will be obtained by abrasive blasting the surface.
- If blasting is impractical, a grinding wheel, needle gun, or very stiff wire brush may be used.

MIXING

Mix ALL of Part A with ALL of Part B. Mixing may be done on a large mixing board or container large enough to hold both the base and hardener. The selected mixing surface must be clean and dry. Mix the material thoroughly until no streaks of any kind are visible. If materials are cold, warm them to 70 F before mixing.