

XL-XAR

Product Data Sheet

Ceramic Composite

XL-XAR is designed for abrasive environments which are also subject to aggressive chemical attack. Heavily filled with aluminum oxide for abrasion resistance, this product may be built up to an inch or more in a succession of layers. XL-XAR can be used to rebuild badly eroded and corrode cast iron, steel and other metallic and nonmetallic surfaces. It provides a rapid, cost effective repair which returns worn equipment to its original specifications and protects it from future degradation due to abrasion, erosion and corrosive attack.

FEATURES

- Excellent resistance to entrained solids and abrasion
- Very good chemical resistance
- Excellent temperature and thermal shock resistance
- Extended pot life
- May be applied up to thickness of 1 inch or more

PACKAGING

1 kg. (2.21 lb.) units; approximately 31 cubic inches (4 kg. units also available)

COVERAGE

XL-XAR is a trowel-on rebuilding compound and can be applied up to 1 inch/coat. Thicker applications can be achieved by multiple layers. Theoretical coverage at 60 mils is 3.6 square feet per kg.

MIXING RATIO

2 parts base (B) to 1 part (A) hardener by weight
 2 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 50 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.

COLORS

XL-XAR is gray in color.

TECHNICAL DATA AND INFORMATION

Basic Chemical Resistance at Room Temperature

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

Typical Physical Properties of Cured System :

Density	1.98
% Solids	100
Flexural Strength @ 70 F	20,400 psi
Tensile Strength @ 70 F	11,900 psi
Tensile shear @ 70 F	3,000 psi
Service Temperature Maximum	425 F
Operating pH Range	1.5-14.0

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, water blasting, acid etching, or grinding can also be used.

MIXING

Mix ALL of Part A with ALL of Part. 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.