



ES-204 SC SURFACE COAT

SILICONE CARBIDE FILLED
ABRASION RESISTANT

PRODUCT BULLETIN



www.CASSpolymers.com
31200 Stephenson Hwy

800.344.7776
Madison Heights MI 48071

ADTECH@CASSpolymers.com
Ph 248.588.2270 Fax 248.588.5909

DESCRIPTION

ES-204 SC ABRASION RESISTANT EPOXY SURFACE COAT is a two component, room temperature curing system commonly referred to as a Die Surface system. It exhibits excellent handling properties which produce dimensionally accurate and void free duplications. Due to its abrasion resistance, machinability is poor; however, the outstanding physical properties create a very strong, long lasting and durable surface. ES-204 SC can also be used as the surface coat for mass casting duplications, or as a surface casting material up to 1/2" without bulk fill. Use with ADTECH laminating systems, EL-301 or EL-302-PC. Typical applications include using for nesting and bonding fixtures, router and trim fixtures, draw and stretch dies, hammer and stretch forms, foundry patterns and core boxes and tracing duplications.

HANDLING CHARACTERISTICS @ 25°C/77°F

Mix Ratio (parts by weight)	100R/10H
Mixed Viscosity	Thixotropic
Pot Life	25 minutes
Demolding Time.....	16-20 hours
Color	Black
Shelf Life ES-204 SC Resin (in original unopened containers)	1 year
Shelf Life ES-204 SC Hardener (in original unopened containers)	2 years

TYPICAL PHYSICAL PROPERTIES

Tensile Strength.....	5,600 psi
Compressive Strength	19,200 psi
Flexural Strength.....	11,300 psi
Heat Distortion Temperature	77°C/165°F
Shrinkage	0.0004 in/in
Cured Hardness.....	90 Shore D

ES-204SC Tech/Revised 2/17/10
Supersedes 12/12/06

Seller cannot anticipate all conditions under which seller's products, or the products of other manufacturers in combination with seller's products, may be used. Seller accepts no responsibility for results obtained by the application of seller's products or the safety and suitability of seller's products, either alone or in combination with other products. Users are advised to make their own test to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, seller delivers the products without warranty of any nature, stated or implied, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of said products, whether used alone or in combination with other products. Purchaser waives any claim against seller for direct, indirect, consequential or exemplary damages against seller, including without limitation, damage which may incur as a result of purchaser's use or misuse of the product or the products failure to conform to any particular specifications.