

IDENTIFICATION & TECHNICAL DATA

Product Name

Durall 55
Ceramic Beaded Wearing Compound

Distributor

CoorsTek, Inc.
600 9th Street
Golden, CO 80401
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coorstek.com

Properties	Results
Pot Life @ 77°F (100 gms)	35 mins
Compressive ASTM D-695	10,600 PSI
Compressive Modulus	308,000 PSI
Tensile Strength ASTM D-638	8,300 PSI
Elongation ASTM D-638	3% min.
Bond Strength ASTM C-882	2,000 PSI
Shore D Hardness	80 / 85
Cure Time @ 75°F	16-24 hours
Mix ratio by volume A/B	1:1
Mixed Viscosity	Heavy Paste
Color Mixed	Gray

APPLICATION INSTRUCTIONS

1. Clean surface by sandblasting or grinding to provide rough white-metal profile.
2. Thoroughly mix equal amounts by volume of Part A Resin with Part B Hardener until streak free. Mix only enough that can be applied in 35 minutes.
3. Spread mixed epoxy with trowel or putty knife and worked well into the surface.
4. Epoxy may be smoothed with a trowel dipped in a solvent.

Packaging

Durall 55 is available in 2 kit sizes:
7 lb. - 2 Quart Kits and 30 lb. - 2 Gallon Kits.

Limitations

- Do not apply over 5/8" thick per layer. Additional thickness can be built up with multiple coats. Allow prior coat to harden and cool to touch before the application of the next layer.
- Not for use on wet or oily surfaces.
- Do not install when surface temperature is below 45°F (7°C) or above 90°F (32°C).
- During cool conditions epoxy will cure slower, protect finished work from wear and abrasion until fully cured.

Cautions

- Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins. Consult Material Safety Data Sheet for full listing protective requirements.
- Durall 55 may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- For professional use only.
- Keep out of reach of children.

PRODUCT DESCRIPTIONS

Durall 55 is a specially formulated epoxy paste blended with abrasion resistant small black ceramic beads to provide a durable barrier to protect surfaces subjected to wear and abrasion. Durall 55 is an easy to mix 1 to 1 by volume ratio. Durall 55 is waterproof and resistant to most chemicals and solvents. Durall 55 is a thick non-sag paste compound that will allow for vertical and overhead patching.

Advantages

- Extremely durable ceramic matrix.
- Chemical Resistant
- No VOC's or Solvents
- Low Odor Formula
- Bonds to most dry surfaces

Uses

For the patching and repair of worn metal or concrete surfaces that are exposed to abrasive environments. Durall 55 is ideal for use on:

- Pipe Elbows
- Vibrating Screens & Beams
- Cyclones
- Hopper and Chutes
- Pump Casings
- Wear Plates
- Brick Corners and Transitions Areas
- Dust Collection Systems
- Chipper and Grain Bins
- Pneumatic Conveyors
- Heat Exchangers and Tube Sheets
- Augers, Fan and Impeller Blades