



## TECHNICAL DATA SHEET

### PIONEER DURASTEEL 5 EPOXY

#### PRODUCT DESCRIPTION

Pioneer Durasteel 5(3%) Epoxy is a soft paste, 100% solids, steel filled epoxy especially formulated to have the following characteristics:

1. It is a very versatile maintenance repair product. Very convenient in repairing damaged equipment.
2. Cures quickly to form a durable metallic mass that can be drilled, sanded and machined.
3. 1:1 simple mixing ratio by volume.

#### TYPICAL USES

It is mainly used in repairing pipes, valves and tanks; building up worn equipment; filling and leveling surfaces; making tools, templates and metal forming dies.

#### TECHNICAL DATA

Color	
Part A	Black
Part B	Off-white
Consistency	Soft paste
Solids Content	100%
Mixing Ratio	1:1 by volume
Potlife	3 – 6 minutes
Cure Time	
Initial Strength	3 hours
Full Cure	
Maximum Strength	72 hours
Weathering Resistance	Excellent
Heat Resistance	Could withstand up to 90°C oven heat; non-combustible
Chemical Resistance	Resistant to oil, gasoline, water and most chemicals (Not resistant to concentrated acids and solvents)
Shelflife	1 ½ years from date of manufacture

*Other data available upon request*

#### INSTRUCTION FOR USE

##### SURFACE PREPARATION:

Surface contaminants such as dirt, grease, oil or wax must be removed from areas to be joined. Clean surfaces by sanding, sandblasting or brushing for stronger bonds. Surfaces should be clean and ready for application before the adhesive is mixed.

##### MIXING:

Mix equal part by volume of Part A and Part B. Better to use separate spatulas (or spoon) to avoid contamination. Blend thoroughly until color streaks disappear and uniform color is obtained. To avoid waste, prepare a quantity just enough to be consumed within 3 minutes.

##### METHOD:

Apply mixed compound with a putty knife or spatula on one or both faces of glue joints. Join surfaces with sufficient pressure to ensure complete contact. Allow to cure or to harden. Unnecessary handling should be avoided until cure is complete. On its uncured state, scrape off excesses from edges or joints or immediately spread out the mixture on surfaces to be settled, filled or patched.

##### CLEANING:

Clean all tools or equipment used while adhesive is still in its uncured state. Use acetone, toluene, methyl ketone or kerosene to clean tools and spills.

##### HEALTH PRECAUTIONS:

If skin contact occurs, wash with soap and water. If skin irritation persists, seek medical attention. If material contacts the eyes, flush thoroughly with water and get medical attention immediately. Do not take internally. Keep material out of children's reach.

##### PACKAGING

###### BLISTER PACK

15g (10mL)/set in strip pack	24 strips/box
35g (20ml)/set	30sets/box