

EPOTUF® 37-148
 Product Code: 37148-00
 Waterborne Epoxy Dispersion
Zero VOC Gray Metal Primer



Starting Point Formulation 148-GMP EPOTUF 37-148/EPOTUF 37-682

Material	Pounds	Gallons
PART A		
EPOTUF 37-148	379.07	42.12
Byk 020	4.32	0.59
Aerosil R972	2.23	0.12
TiPure R-960	84.61	2.62
HALOX SZP-391	22.19	0.88
Wollastokup 10ES	178.56	7.38
Black Iron Oxide	29.13	0.70
Water (<i>Add continuously throughout mixing to maintain good dispersing viscosity</i>)	171.45	20.58
Total	871.56	75.00
<i>Sand Mill to 5+ Hegman Keep temperature under 120°F (Please note that strict control of temperature is needed—exceeding 120°F could result in skinning and loss of stability.)</i>		
PART B		
EPOTUF 37-682	87.84	12.37
Byk 020	2.35	0.32
Aerosil R974	1.17	0.06
Zeospheres 400	113.88	5.69
Mica 325	11.10	0.47
TiPure R-960	8.54	0.26
Water	48.41	5.81
Totals	273.28	25.00
<i>Grind to 5+ Hegman</i>		
Mixing Instructions: <i>Mix A and B 3:1 by volume and allow 30 minutes for induction. Reduce to spray viscosity with de-ionized water.</i>		

EPOTUF 37-148 can be used to develop zero VOC primers for OEM, industrial maintenance, marine and rail car markets. EPOTUF 37-148 is intended for use with EPOTUF 37-682 water reducible curing agent to produce waterborne epoxy coatings which are solvent free yet able to coalesce and cross link under ambient or elevated temperature conditions. Formulation 148-GMP (Gray Metal Primer) demonstrates the capabilities of the above-mentioned system as a general primer for metal substrates.

Typical Properties

Mix Ratio	3:1
Solids Wt. %	66.4
Solids Vol. %	52.4
Specific Gravity	1.4
PVC/CPVC	0.6
PVC %	34.1
VOC (lb/gal)	0.00
Mixed Viscosity (KU)	60
Pot Life (Hours)	4
Pigment/ Binder	1.41/1

EPOTUF® 37-148 is a zero VOC medium molecular weight Bisphenol A-based epoxy resin supplied as a dispersion in water at 60% solids. EPOTUF 37-148 is designed for use in zero VOC metal primer applications or as a sizing resin for glass or carbon filters. EPOTUF 37-148 does not contain coalescing solvents.

Applications:

- OEM/shop primers
- Industrial maintenance coatings
- Rail car coatings
- Marine coatings

Features:

- Solvent free
- No odor
- Excellent corrosion resistance
- Excellent adhesion and flexibility

Recommended Storage: Store products in the original sealed containers between 40°F and 90°F.

Read the EPOTURF® 37-148 Material Safety Data Sheet before handling, storing or using this product.