

# Critical Equipment Protection

Metals & Mining



## Minequip One™

Primer & Finish System that provides 3 years basic protection for equipment in dry mining process areas

### Carbocoat 8239 Series Alkyd Primer

- > Ultra-fast dry and handle times
- > Fast recoat times
- > Good corrosion protection
- > Cold weather cure
- > May be used as a primer/finish in non-aggressive, interior spaces

### Red, Grey and White

- > High Solids 56% Solids by Volume
  - > Dry to Touch 10-20 Minutes
  - > Dry to Handle 30 Minutes
  - > Dry to Topcoat 30 Minutes
- [At 24°C/75°F – 1 hour Dry to Topcoat with 2 component finishes - Epoxies or Urethanes]

### Pro-Struct 6300 Series Finish Coat

- > High solids, gloss finish
- > Fast dry times
- > Excellent gloss and colour retention
- > Good brush & roll properties
- > Formulated for OEM applications
- > Provides good protection of steel in mild to moderate exposures
- > Can be applied direct to metal

### Custom or RTS Colours

- > High Solids 45-48% Solids by Volume
- > Dry to Touch and Recoat 30 minutes
- > Apply at 2-3 mils dry

## Minequip Plus™

Heavy Duty Primer and Finish for mining equipment for six years of corrosion protection in dry and wet mining environment areas

• Epoxy & Acrylic Epoxy Protection System

• Carboguard 635 & Carbocrylic 1295 HS

### Carboguard 635 VOC

- > Low temperature cure -6°C/20°F
- > Excellent corrosion protection
- > Excellent application characteristics
- > Fast recoat times
- > Moisture tolerance during application
- > Extended recoat window for atmospheric exposures (6 months for most topcoats)

### Beige, Red, Grey, Black, White

- > 64% Solids by Volume
  - > Dry to Touch @ 24°C/74°F 3 Hours
  - > Dry to Recoat 45 Minutes
  - > Applied to 4-6 mils
- Adhesion – ASTM D4541P 1075 psi pneumatic  
Impact – ASTM D42794 46 in lbs  
Flexibility – ASTM D522 1/8" conical mandrel bend

### Carbocrylic 1295 HS®

High solids, two-component Acrylic Epoxy topcoat with good weathering properties

- > Offers excellent corrosion and weathering protection
- > NORSOK Approved for offshore
- > Recommended for chemical industry, offshore, power and heavy industry

### Available in Custom Colours and RTS

- > 64% Solids by Volume
- > Dry to Touch 3-4 Hours
- > Applied at 2-5 mils DFT

### Performance Testing

- > UVA ISO 1507:2007 72 Hours
- > Salt Spray ISO 9227 72 Hours
- > Low Temp Exposure @ -20 C 24 Hours
- > One Cycle Time 168 Hours
- > Total Time 25 Cycles 4200 Hours

## Minequip Ultra™

Maximum protection Primer and Finish that provides over 10 years of corrosion protection in the most aggressive areas in mine process facilities

### Carboguard 635 / Carboxane 2000 - The Protection System

### Carboguard 635 HB®

- > Low temperature cure -6°C/20°F
- > Excellent corrosion protection
- > Excellent application characteristics
- > Fast recoat times
- > Moisture tolerance during application
- > Extended recoat window for atmospheric exposures (6 months for most topcoats)

### Beige, Red, Grey, Black, White

- > 57% Solids by Volume
- > Dry to Touch @ 24°C/74°F 3 Hours
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- > Impact - ASTM D42794 46 in lbs
- > Flexibility - ASTM D522 1/8" conical mandrel bend

### Carboxane 2000

Modified Siloxane Hybrid

Carboxane 2000 is a premium, ultra-durable coating that provides outstanding gloss and colour retention for exterior exposures. This tightly cross-linked film utilizes a UV-resistant siloxane binder resulting in a finish with outstanding barrier properties and weathering performance that far exceeds polyurethanes.

### Features

- > Exceptional weatherability
- > Isocyanate free
- > Isocyanate free
- > Flexible film
- > Long life performance
- > Custom Colours and RTS
- > Outstanding gloss/colour retention
- > High Solids 75%
- > VOC compliant
- > Gloss finish
- > Excellent abrasion resistance



Mining equipment covers the range of equipment that is used in the mining industry for the extraction and handling of various types of minerals and ores worldwide. Equipment used in the industry includes extracting, washing, conveying, crushing, screening, loading and other specialized gear. Related earth digging and earth moving equipment are other large sub industries. Products used in mining include the following:

- › Amalgamators, various kind of rock and other drills
- › Mining related transport equipment
- › Breakers, cutters, pulverizers, concentration equipment
- › Washing equipment
- › Manufacturing conveyors, feeders, ore crushers, screening
- › Floatation equipment
- › Material handling equipment, loading machinery

Material selection is the most important general form of corrosion prevention. Choosing the correct material based on the environment decreases the amount of corrosion and lengthens the span of the equipment. Organic coatings will react differently depending on the environment to which they are exposed. Alkyd resins are oil-based coatings that have excellent adhesion to poorly prepared surfaces, but are not chemically resistant. They are suitable for dry exterior uses only. Consequently, there are material selection choices to be made. We can help with engineered corrosion protection options.

## Other OEM “Fine Finishing” Protection Systems

### Direct-to-Metal High Gloss Polyurethane OEM Finishes - Automotive Quality

#### Carbothane 8815

Carbothane 8815 is a fast dry, high gloss, high build, two component polyurethane coating. Carbothane 8815 exhibits the excellent dry times and handling characteristics required by Original Equipment Manufacturers. This coating has outstanding hardness, adhesion and resistance to: impact, marring, abrasion, chemicals and staining.

- › Direct-To-Metal (DTM)
- › High build, high gloss
- › Excellent chemical resistance
- › Excellent abrasion resistance
- › Very Fast Dry – 90-120 minutes to handle at 24°C/75°F
- › Ambient air or force cure with conventional or infrared ovens
- › Application by conventional or airless spray, HVLP, Electrostatic or plural component spray

#### Carbothane 8812

This coating has outstanding hardness, adhesion and resistance to: impact, marring, abrasion, chemicals and staining. Carbothane 8812 is recommended as a direct to metal finish coat\* or as a finish coat over properly primed substrates. Typical applications include air compressors, propane tanks, trailer chassis and frames, valves, pumps, waste water treatment plant equipment, agricultural equipment, hazardous material storage buildings and general industrial equipment.

- › Direct-To-Metal (DTM)
- › High build, high gloss
- › Excellent chemical resistance
- › VOC compliant – 3.3 pounds per gallon as supplied
- › Very Fast Dry – 90-120 minutes to handle at 24°C/75°F
- › Ambient air or force cure with conventional or infrared ovens
- › Application by conventional or airless
- › Excellent abrasion resistances spray, HVLP, Electrostatic or plural component spray



# CANADIAN SALES & DISTRIBUTION LOCATIONS



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