

Applications

Abrasion:

Super Duty coatings have been laboratory tested to deliver excellent levels of abrasion resistance under just about any severe-use condition. Super Duty coatings outperformed many other leading materials, including carbon and stainless steel, in independent ASTM-standard abrasion tests.

Corrosion:

Super Duty coatings are specifically engineered to create an impenetrable barrier between walls and nature's harshest elements, such as exposure to high humidity, salt water or extreme temperature changes.

Impact:

Super Duty coatings have shown high levels of impact protection under just about any severe-use condition according to laboratory testing. They remain flexible from -40 to 160 degrees C, making them ideal for use in outdoor conditions where extreme temperature variations are common, or in indoor areas where very hot or very cold temperatures are a necessary part of the environment.

Chemicals:

Super Duty coatings are highly resistant to a wide range of chemicals, including caustic and nitric acids, automotive gasoline, aviation and diesel fuel, kerosene, crude oil, according to independently done ASTM* immersion tests.

*American Society for Testing and Materials; now ASTM International. Per ASTM D543 Standard Content.

Certifications

The super duty coating has been tested by the International Organization for Standards (ISO 17025) and American Association for Laboratory Accreditation (A2LA).

USA Certifications:

- Incidental Food Contact – FDA and USDA
- Fungus Resistance Testing – MIL-STD-810 F, Method 508.5
- Potable water per ANSI/NSF 61 Section 5
- ASTM E-84 – 01 – Class A (Standard Methods of Test for Surface Burning Characteristics of Building Materials)

- ASTM E-84 – 01 – Class B (Standard Methods of Test for Surface Burning Characteristics of Building Materials)
- ASTM E-162 – 06 – Flame Spread Less Than 25 (Surface Flammability Of Materials Using Radiant Heat Energy Source)
- ASTM E-662 – 06 – (Standard Test Method for Specific Optical Density Of Smoke Generated By Solid Materials)
- MSHA Approval & Certification Center (Mine Safety And Health Administration)
- Suitability Number MSHA – S30/00 – Non-Strength Enhancing Mine Sealant – Standard Application Procedure for Sealants Applied to Underground Ventilation Controls
- Acceptance Number MSHA – CR-IC-249/1 – Chute Linear And Cable Reel – Standard Application Procedure for Acceptance of Flame-Resistant Solid Products Taken Into Mines
- AFRL – Tyndall AFB
- U.S. Army Corps of Engineers
- EMRTC (Energetic Materials Research & Testing Center) New Mexico Institute of Mining and Technology
- H.P. White (Ballistic Testing)

International Certifications:

- Water Regulations Advisory Scheme – BS 6920 – UK
- Certification of Conformity Food-Contact Material – UK
- BS 476 Part 7:1997 Classified as Class 1 – Method of the Surface Spread of Flame Products