



DIMAPCHEM MASTIC

HIGH PERFORMANCE MULTI PURPOSE EPOXY PROTECTIVE COATING

BENEFITS

- Exhibits good adhesion and durability to steel and non-ferrous metals.
- Can be applied directly on dry, wetted concrete, oil- wetted steel and concrete
- Exhibits good adhesion to glass, tiles,
- Excellent adhesion to itself.
- Does not get corroded by water and water
- Coated film is hard, flexible, smooth and polished surface.
- Applied on rusted surfaces directly blasting and primer coating
- Can be used on non-porous surfaces as underwater coating and gives same performance as ordinary the coating.
- Under water application is possible with Hydrophobic be roughened with emery and Hydrophilic property
- Provides excellent waterproofing
- Can be cured at low temperature.
- Eco-friendly and solvent free.
- Compatible with Epoxy and PU systems.
- Good resistant to thermal shock.
- Good chemical resistance and electrical properties.
- Good adhesion of epoxy and acrylic

PROPERTIES FINISH : Matt
COLOR : Range of Colors

THEORETICAL

SPREADING RATE : 2 to 3 m² per kg

RECOMMENDED DRY Solid 98%+/-2% DRYING CHARACTERISTICS

FILM THICKNESS : >150 microns per coat

(At 65% Relative Humidity & at 30°C) SURFACE DRY : 1 - 3 hours

HARD DRY : Overnight

FULL CURE : 7 days **MATURATION TIME :** 5-10 minutes

MIXING RATIO : (Base 80: Hardener 20 by weight)

POT LIFE : 30-40 minutes at 30⁰ C

Surface Preparation :

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The Surface should be sound free of laitance contamination scales and dust and grease must be removed using a degreaser detergent all blow holes and cracks must be repaired with DIMAPCHEM SCREED

DESCRIPTION

DIMAPCHEM-MASTIC is a solvent free, two parts ,high performance protective coating. It is an “ALL IN ONE” product as it can be applied on variety of substrates without any pretreatment. It exhibits a very unique, extra- ordinary and unexpected performance which is based on plastic alloy technology (polymer blend). It has good viscosity and thixotropic behavior when applied on walls forming a thick film and good working conditions.

USES

- Lining for potable and boiling water tank.
- Coastal areas.
- Chemical Industries: All steel and concrete structures.
- Marine Ships.
- Effluent treatment plant & Equipment.
- For providing good adhesion on non-ferrous metals.
- Coating rusted steel structures and Fiber

Mixing: **dimapchem MASTIC** is supplied as ready to use in pre-weighted packs of resin and hardener for easy on site mixing. Pour the hardener into the resin can, mix well using a paddle attached to an electric drill, for 2-3 minutes until a uniform color is obtained.

Application: **DIMAPCHEM-MASTIC** can be applied by brush or spray as per individual requirement.

For Rusted Steel: **DIMAPCHEM-MASTIC** can be applied directly on the rusted surfaces. But in case of heavy rusting, it should be removed by suitable emery paper or sand blasting or any other suitable surface preparation method. It can be applied on water-wetted rust or oil- wetted rust giving extraordinary performances. When applied on the oil-wetted rust, it showed almost better wetting and anti-corrosion performance. When applied on the water-wetted rust, it showed almost the same performance as that when applied on the ordinary rust.

FOR POTABLE WATER TANK:

(a) Concrete Tank : The new concrete always contains large amount of water which makes ordinary paints difficult for coating. It can be achieved by emulsion based paints but they require about three to four coats to achieve the required thickness. Thus, the drying process required for these applications increases the cost although the solvent base paints can not be applied on wetted surface.

DIMAPCHEM-MASTIC can be applied directly to the wet concrete and gives excellent workability and performance.

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(b) Steel Tank: The inner surface of the used tanks often rusted and water-wetted because of high humidity. The steel plates of new tanks is covered with oil which is difficult to remove entirely. **DIMAPCHEM-MASTIC** is applied directly as it gives good compatibility with oil, rust and water giving good adhesion.

(c) Stainless Steel Tank : Stainless steel is rust free and resistant to various chemicals. **DIMAPCHEM-MASTIC** is applied directly to stainless steel as it adheres tightly and also protects it from water and chlorine.

Cleaning: Tools should be cleaned with

SAFECORE TOOL CLEANER

immediately after use.

PACKING & COVERAGE

DIMAPCHEM-MASTIC is supplied in 1Kg & 5Kg Pack. 1 kg pack covers 2-3m² area.

For Concrete Surfaces: DIMAPCHEM-MASTIC

can be applied to wetted concrete surfaces directly and shows excellent affinity to oil and water wetted surfaces.

For Non-ferrous Metals: It might be difficult for normal paint to provide good adhesion on non-ferrous metals due to its low surface energy. But **DIMAPCHEM-MASTIC** which gives good workability and delivers excellent performance can be applied directly to non-ferrous metals.

SHELF LIFE & STORAGE

DIMAPCHEM-MASTIC will have a shelf life of **12 months** in unopened containers when kept in dry conditions at a temperature between 5°C to 45°C. Storage at higher temperature or high humidity may reduce shelf life.

HEALTH AND SAFETY

Hand Gloves must be used. Goggles for overhead application shall be used to prevent contact with eye. If any splashes on skin occurs it should be washed with water and medical advice shall be sought. In enclosed areas, good ventilation must be ensured.

QUALITY ASSURANCE

DIMAPCHEM SARL manufactures entire range of construction chemicals Protective coatings ,wood coatings ,decorative paints ,water proofing systems

TECHNICAL SERVICES

While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our technical personnel & experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem

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DIMAPCHEM believes in doing better than the best and conceives new thoughts for the development of new construction chemicals. Aim behind the mammoth efforts is to provide some special thing to this industry which saves labor cost, saves valuable time and to make the product appropriate for the adverse conditions. Nowadays, **DIMAPCHEM** is putting all its efforts to launch some new products, one product in the range of protective coating has come up and was launched in the market is **DIMAPCHEM MASTIC**.

Generally, any paint or coating has got reservations for couple of requirements. Main requirements are surface preparation and surface moisture. Coating performance is largely depending on surface preparation, atmospheric and surface moisture. **DIMAPCHEM MASTIC** makes you free from these attentive jobs.

NATURE OF THE PRODUCT:

DIMAPCHEM MASTIC is a solvent free, epoxy base two part (resin & hardener) high performance protective coating which can be applied by brush or spray as per individual requirement. This product is compatible with Epoxy and PU systems. It has good viscosity and thixotropic behavior when applied on walls forming a thick film and good working conditions. It is an “**ALL IN ONE**” product as it can be applied on variety of substrates without any pretreatment. It exhibits good adhesion and durability to steel and non-ferrous metals. It has good viscosity and thixotropic behavior when applied on walls forming a thick film and good working conditions. It has a pot life of about 50-60 mins @ 30°C and drying time is about 4-6 hours. It can be even cured at low temperature. **DIMAPCHEM MASTIC** is a unique product whose application is possible on a wet rusted or oil wet rusted surface. Coating by **DIMAPCHEM MASTIC** does not penetrate humidity and atmospheric oxygen on the metallic substrate so further rusting is stopped at the same time no adverse effect is developed on the coating. This product's application is possible in underwater condition due to its combined nature of hydrophobic and hydrophilic properties.

Ordinary coating cannot make adhesion with non ferrous alloys like copper, bronze, lead, aluminum bronze etc. **DIMAPCHEM MASTIC** has the answer to these special metals. Its superb film formation on these metals makes it possible. Similarly, ordinary coating cannot adhere with stainless steel. Any tank made of SS tends to get corrosion through welding joints because joints are susceptible to absorb humidity and atmospheric oxygen. This leads to

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corrosion. **DIMAPCHEMMASTIC** application on stainless steel tank not only stops the corrosion but also ensures solid adhesion with SS.

Any processing plant is always having boiling water tank where water gets recirculated. The boiling water tanks are having special linings along with some coating. During shutdown, these linings are subjected to heavy thermal shock due to temperature variations. This will cause damage to the linings. **DIMAPCHEMMASTIC** has got very good thermal shock absorbing capacity which can eliminate such damages as well as installation of such linings.

BENEFITS TO OUR CUSTOMERS:

- Good resistant to thermal shock.
- Good chemical resistance and electrical properties.
- Underwater application is possible
- Application on FRP items is possible
- Can be applied on water-wetted rust or oil-wetted rust surfaces.
- Does not get corroded by water and neither pollutes water.
- Provides excellent waterproofing characteristics and eco-friendly.
- Consistent performance even on untreated surface.(General cleaning is required)

This product exhibits a unique and extra-ordinary performance based on the plastic alloy technology.

This is really something innovative for which your customer would be looking for. Your efforts and product astonishing nature will surely bring a big break through for DIMAPCHEM.

The information given in this data sheet is based on both the current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of the continuing research and development being undertaken in our laboratories we advise customers in their-own interest to ensure that this data sheet has not been supersede by more up-to-date publication. All products are sold subjected to our standard conditionsof sale which are availablean request. Field services, where provided, does not constitute supervisory responsibility. For additional information,please contact our local DIMAPCHEM SARL – DIMAPCHEM-representative.

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