

Title (en)

SILICONE COATING COMPOSITION FOR PROTECTION FROM CATHODIC STRESS

Title (de)

SILIKONBESCHICHTUNGSZUSAMMENSETZUNG ZUM SCHUTZ VOR KATHODISCHEM STRESS

Title (fr)

COMPOSITION DE REVÊTEMENT DE SILICONE POUR PROTECTION CONTRE LA CONTRAINTE CATHODIQUE

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Application

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Abstract (en)

[origin: WO2007104121A1] This invention relates to a corrosion protection silicone coating system provides for easy and convenient application by conventional methods such as dipping, brushing or spraying. The coating provides a guard against environmental effects causing cathodic stress along with high physical strength and adhesion achieved with a suitable blend of reinforcing and extending fillers. The coating is an organopolysiloxane rubber coating composition containing between about 10 and 80 weight percent of a sacrificial metal filler to provide protection against environmental effects causing cathodic stress. Preferably, the coating is a one-part room temperature vulcanizing organopolysiloxane rubber coating composition to provide protection against cathodic stress. The present invention also provides for a method of coating metal surfaces to protect the metal surface from corrosion and cathodic stress. The method comprises applying to the surface a thin layer of the above one- part organopolysiloxane rubber composition and allowing the layer of the one-part organopolysiloxane rubber composition to cure at room temperature to a silicone elastomer.

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