

عنوان مقاله:

Polyethylene coating with improved resistance to cathodic disbonding using surface chemical treatment with organosilanes

محل انتشار:

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خلاصه مقاله:

layer polyethylene coatings consist of maleinated polyethylene primer and HDPE topecoat have been used for 2 many years in this research in order to enhance adhesion and durability of the 2 layer coating systems a kind of surface chemical treatment of substrate with organosilane materials has been used . It is expected that by adding the chemical treatment to the application process of 2 layer polyethylene coating 2LPE, an improved products with better or at least equal coating properties than 3LPE coating can be obtained . so, adhension of maleinated PE layer to metal after chemical treatment with organosilans at different conditions was measured. also , cathodic disbonding tests were conducted on samples which their metal substrate were previously treated with organosilanes . finally the results of adhension and cathodic disbonding tests for chemically treated and untreated coated panels samples were .compared

کلمات کلیدی:

polyethylene coating , chemical surface treatment , acthodic , disbonding, organosilane , steel

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