



ביירוקוסמוס שהופרטה מתעשית החלל
רוסית, ביחד עם שיטות ניקוי חול מתקדמות
פלסמה וצבעים מתוצרתנו מציינת מספר
זייקטים מוצלחים משותפים, ביניהם:
שדות נפט ובתי זיקוק בטורקמניסטן.
גשרים בסנטפטרסבורג.
פרוייקטים צבאיים במוסקבה.
קירות הפרדה ניו ג'רסי.
צביעת האוניה "לאוניד סובלוב".

"Aerospace" international technological consortium elaborated newest supertechnology of
metallic constructions surface preparation (SSP later on), which hadn't analogies in world
practice

Metallic constructions surface preparation for varnish-paint materials deposition is executed by means of two-component high enthalpy supersonic jet (THESJ), which is generated by operating organ (torch) of shot-jet device. Air, hydrocarbon fuel and abrasive are supplied into the torch combustion chamber. Combustion products, which have 1100...2000 K temperature, are formed during air and hydrocarbon fuel combustion. Combustion products accelerate abrasive particles in supersonic nozzle to 300...500 m/s velocity. THESJ runs on metallic surface and exerts thermal and intensive shock-abrasive action on it. Temperature, surface clearance quality ($S_a = 1 \frac{1}{2} \dots 2 \frac{1}{2}$) are regulated by components mixture ratio into combustion chamber, distance from torch nozzle exit to a surface and time of THESJ contact with surface.

SSP allows to combine row of technological operations in one, namely: to remove soiling and old covers (varnished, painted, bituminous), rust, to create required roughness, to take off any oils.

SSP assumes using of 0,3...1,5 mm fraction quartz sand as abrasive for new quality of prepared surface receiving. 5...20 microm thickness layer, which defends a surface from environment influence during 8...24 hours, forms on processed surface as result of thermal and shock-abrasive action under THESJ running on a surface.

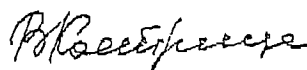
Clearance thermoabrasive method using in combination with "Denber" firm high quality epoxide enamels secures safe long defence of metallic constructions from corrosive destruction.

The consortium has executed successfully anti-corrosive defence of JU "Bridus" oil preparatory plant and "Turkmen oil" state concern oil tanks, where "Denber" firm vanished and painted materials have been used, air port "Vnukovo" FFC tanks, Moscow OWP objects, "New Jersey" separated screen of MRAW, bridges in Sankt-Peterburgh, "Leonid Sobolev" (Russia) ship.

With respect

ITC "Aerospace"

President



Kostritsa V.N.