



# TRATEC

Surface Engineering

## TRATECoat® 5000

TRATEC has developed TRATECoat® 5000, a new coating system able to reach 5000 hours in salt spray fog in according to ASTM B117.

Coating is subjected to several test in order to reach qualification regarding all coating performances compared to standard fluoropolymers coatings for oil & gas industry.

Inspection/testing	Test Method	Frequency	Acceptance criteria	Components tested	TEST
Visual Examination	photographies	ASTM B602, Level I	Surface: uniform and free from defects e.g. mud cracking, pits, cracks, blisters, exfoliation or growths	30 stud bolt + 30 nuts	Passed
Dry Film Thickness (flat end of the stud bolt and nut)	ASTM B 499	ASTM B602, Level I	40 +/- 10 microns	30 stud bolt + 30 nuts	Passed
Dry Film Thickness (externally threaded stud bolt)	ASTM B487	1 piece per lot	40 +/- 10 microns	7 stud bolt	Passed
Adhesion test	ASTM D6677	1 piece per lot	Rating not less than 8	7 plates	Passed
Curing Test	TM 115A	ASTM B602, Level I	According to TM 115A	30 plates	Passed
Hardness test	ASTM D3363	1 piece per lot	Minimum 4H	7 plates	Passed
Salt spray test	ASTM B117	5000h	1) The coated specimen shall not be degraded to a condition inferior to rust < 15% of components surface	30 stud bolt + 30 nuts	Passed

ASTM D610		
TRATECoat® 5000	Mean Red rust grade on 60 pieces	Figures
3000 Hours	7 ( < 0,3% components' surface )	
4000 hours	5 ( < 3% components' surface )	
5000 hours	4 ( < 10% components' surface )	

### TRATEC SRL

SEDE LEGALE: Via Della Nave, 15 - 22072 Cermenate (CO)  
 SEDE OPERATIVA- Via Don Ballabio, 1/F – 22070 Rovello Porro (CO)  
 Tel. +39 (02) 96 75 03 07 Fax +39 (02) 96 75 51 53  
 C.F. e P.IVA: 02476440132 E-mail: [tratec@tratecsrl.it](mailto:tratec@tratecsrl.it)