



SOUTH AFRICAN TECHNICAL AUDITING SERVICE

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## GALVANIZING NEWS

SATAS' continued efforts in providing the industry with an alternative service provider for Product Certification to SANS 121 (ISO 1461):2011 has grown and has now officially become the major Certification Body operating within the Gauteng Region. We will endeavour to attract the few remaining Gauteng based galvanizers into our Scheme and soon concentrate our efforts in the Western Cape and KZN regions.

In view of the fact that we have now established ourselves in the SANS 121 hot dip galvanizing market, it is now possible to approach the galvanized wire industry where significant work can be done to bring about a new level of confidence in the quality of galvanized wire produced in Southern Africa.

A recent development within the centrifuge market has caused some concern at SATAS and the HDGASA whereby the galvanizing of fasteners for use in the Eskom refurbishment projects has lead to the SANS 10684 standard being quoted as the document specifying the galvanized zinc coating. In some instances the bolt manufacturers are requesting that the coating thicknesses applied to threaded items and nuts should not exceed 70  $\mu\text{m}$ . This would be relatively easy to supply provided the material used to produce the fasteners is conducive to a low zinc pickup. Instances have been noted where the manufacturers are specifying steel grades with silicon contents between 0,04 % - 0,07 %. What is more concerning is that the SANS 10684 standard that Eskom and the bolt manufacturers are specifying states that the silicon contents of the material used to manufacture the items should not be between 0,03 % and 0,13 %. Yet the end users and bolt manufacturers reject galvanized fasteners based on visual appearance when darker grey coatings become evident,

## GALVANISERING NUUS

SATAS se voortgesette pogings om die industrie as 'n alternatiewe diens verskaffer vir die sertifisering van SANS 121 (ISO 1461):2011 te bedien is so suksesvol dat ons nou die setifisering liggaam met die meeste lede in die industrie in Gauteng area is. Ons sal poog om ook die oorblywende Gauteng gebaseerde Galvaniseerdes in ons skema te betrek en sal binnekort ons pogings na ander areas soos die Wes Kaap en KZN uitbrei.

As gevolg van die feit dat ons nou in die SANS121 galvanisering bedryf gevestig is, is dit moontlik om die gegalvaniseerde draad industrie te betree. Heelwat werk kan in hierdie bedryf gedoen word om die vlak van vertroue in die kwaliteit van gegalvaniseerde draad wat in Suider Afrika vervaardig word te verbeter.

Onlangse verwikkelinge in die sentrifuge bedryf het 'n mate van kommer by SATAS en die HDGASA laat ontstaan aangesien die galvanisering van hegstukke vir gebruik in ESKOM projekte gelei het tot die kwotering van SANS 10684 as die dokument wat die galvanisering laag spesifiseer. In sommige gevalle het die vervaardigers van boute gevra dat die laag dikte op skroefdraad items nie 70  $\mu\text{m}$  oorskrei nie. Dit is relatief maklik om te lewer indien die materiaal wat gebruik word om die hegstukke te vervaardig bevorderlik is tot 'n lae sink opname. Gevalle het voorgekom waar die silikon inhoud van die staal deur die vervaardiger as tussen 0.04% en 0.07% gespesifiseer is. Wat kommerwekkend is, is die feit dat SANS 10684 wat deur ESKOM en die bout vervaardigers gesoesifiseer word, bepaal dat die silikon inhoud van die materiaal om die items te vervaardig nie tussen 0.03% en 0.13% sal wees nie. Tog word die gegalvaniseerde hegstukke op grond van 'n donker grys visuele voorkoms veral op die skroefdraad deur die vervaardigers en die

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especially on the threads.

SATAS and the HDGASA have had discussions in this regard and will be approaching the relevant bolt manufacturers to perhaps reconsider purchase specification and their selection of raw materials used to produce the fasteners.

## **GENERAL**

Due to the number of enquires received from other industrial sectors, SATAS has entered the medical valve industry and recently certified Eminence Engineering to the requirements of SANS 1409. This specification covers the technical and performance requirements of medical outlet points and probes used in hospitals to supply medical gasses.

The success and very favourable response received from some National Health Departments after achieving certification has brought about new applications for certification for medical valves and regulators. This is in progress and we are confident this will assist Eminence Engineering in becoming the preferred supplier of medical gas equipment.

Kevin Ebersohn/Abe Stears  
SATAS

eindverbruikers afgekeur.

SATAS en die HDGASA het die kwessie bespreek. Die betrokke bout vervaardigers sal genader word om die aankoop spesifikasie asook die selektering van die rou materiaal vir die vervaardiging van hegstukke te heroorweeg.

## **ALGEMEEN**

Na aanleiding van navrae van ander sektore in die industrie, het SATAS die mediese klep industrie betree. Onlangs is Eminence Engineering volgens die vereistes van SANS 1409 gesertifiseer. Die standaard dek die tegniese asook die prestasie vereistes vir mediese uitlaatpunte en koppelstukke in mediese gasleidings in hospitale.

Die suksesse en positiewe reaksie van sommige Nasionale Gesondheid Departemente na sertifisering het nuwe aansoeke om sertifisering vir mediese kleppe en reguleerders tot gevolg gehad. Hierdie is in die proses en ons is vol vertroue dat dit Eminence Engineering sal help om die voorkeur voorsiener van mediese gas toerusting te word

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