INOSSIDABILE

Edited and published by Centro Inox

Summary

For more detailed information please contact directly the names indicated at the end of each notification

40% of degreasing chemical products. The various size systems are assembled on skids and the whole assembly is in EN 1.4301 (AISI 304) or EN 1.4401 (AISI 316) stainless steel throughout.

- Production: Verind SpA -Via Papa Giovanni XXIII 25/29 - I-20090 Rodano MI
  phone 02.95320.974. fax 02.95320.914
  ultrafiltrazione@verind.it, www.verind.it

WALKIRYE: AN ALL-STAINLESS STEEL BOAT. A DREAM COME TRUE
(Walkirye: una barca tutta inox per realizzare un sogno)

A dream which is also a hope and an experiment – that of allowing a young boy (Niky), suffering from a severe form of allergic asthma, to live in an environment (marine) which enables him to breathe normally, reducing daily drug dosage. Thus the Frascisco family built for themselves, in their garden at home, a 20-metre ocean sailing boat with two 24-metre twin masts, using EN 1.4306 (AISI 304L) stainless steel for the interiors and EN 1.4404 (AISI 316L) stainless steel for the hull (later painted) for a total of 15 tonnes.

The complete boat has a displacement of 35 tonnes and overall length of 26 metres. The use of stainless steel enabled a considerable saving in weight. The thicknesses of the plating are smaller compared to those required by the classification body regulations: 5 mm for the keel, 3.5 mm for the bottom, 3 mm for the side and deck. The choice of stainless steel arose from considerations of structural homogeneity, easy maintenance and safety.

- Designed by: Ing. Aldo Gatti - Via Luca Signorelli 17 - I-20154 Milano - phone 02.313659, fax 02.312710

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STAINLESS STEEL EXHAUST SYSTEMS FOR THE HONDA HORNET CB 600
(Sistemi di scarico inox per moto Honda Hornet CB 600)

At the new Verlicchi Casoli plant in Abruzzo the production line for the exhaust system of the best-selling large motorbike in Europe, the Honda Hornet CB 600, has come into operation.

This is a structure made in EN 1.4301 (AISI 304) stainless steel throughout and whose components are produced individually by modern technologies.

The pipes are bent by CNC processes ensuring precisions of ± 0.1 degrees, MIG welding of the assembly is automatic and final polishing is also fully automated. Such a complex shape configuration must also include, for each important phase of the process, a manual check on special templates.

- Production: Verlicchi Nino e Figli SpA - Via Casteldebole 4 - I-40069 Zola Predosa BO
  phone 051.6176011, fax 051.6176072
  info@verlicchi.it, www.verlicchi.it

ELECTRONIC HAND WASHERS
(Lavamani elettronici)

For food industry premises, catering, hospitals and public places in general, current laws lay down the use of easy-care materials which can be thoroughly cleaned and disinfected, with automatic tap operation.

Fig. 1 – Wall-mounted hand washer, suitable for large kitchens, food and chemicals industry and hospitals. The basin, free from sharp corners and edges, is in 1.5 mm thick EN 1.4301 (AISI 304) stainless steel. The electronic tap has an anti-overflow device.

Fig. 2 – Wall-mounted hand washer with sterilizer for cutting tools, specifically for food processing units.

- Manufacture: SOEMA - Zona Industriale Squartabue - I-62019 Recanati MC
  phone 071.7506061, fax 071.7506063

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LONG LIFE IDEA FOR EMERGENCY HOUSING
(Una proposta long life per l'abitabilità d'emergenza)

This small house solves numerous problems from among those which arise in the case of fast intervention in areas hit by natural disasters. It is easy to transport and install and offers very large living spaces. It also has features of fire resistance and resistance to atmospheric attack.

For most of the external façades VERNEST® stainless steel was used, an AISI 430 type, 0.5 mm thick and metallic grey in colour.

The qualities of VERNEST® can be summed up as: A) excellent mechanical strength and plastic behaviour; B) physical features which allow large panels to be produced; C) sound barrier properties; D) machinability on traditional machines; E) fire resistance much higher than aluminium and carbon steel.

- Property and design: Centro Sviluppo Materiali SpA, via di Castel Romano 100, I-00128 Roma. Reference: Ing. Francesco Fattorini, phone 06.5055778, fax 06.5055452, f.fattorini@c-s-m.it
- Production and installation: Shelbox Srl, via della Città 200, I-50052 Certaldo FI, phone 0571.62711, fax 0571.650063, info@shelbox.it
- Material (VERNEST®):
  ThyssenKrupp Acciai Speciali Terni S.p.A. – I-05100 Terni TR, viale B. Brin 218. Sales: Dr. D. Vella, tel. 0744.809230, fax 0744.811220, dvella@csinox.it. Marketing: Dr.ssa V. Fontana, tel. 0744.490867, fax 0744.490946, marketing@acciaiterni.it; www.acciaiterni.it.

NEWS

STRUCTURAL USES OF STAINLESS STEEL IN BUILDING AND INFRASTRUCTURES
(Impieghi strutturali dell'acciaio inossidabile nell'edilizia e nelle infrastrutture)

Tuesday 4 November 2003, 9 a.m., at Fondazione dell'Ordine degli Ingegneri, Corso Venezia 16, Milan

The meeting-debate was organised together with Centro Inox to draw the attention of structural engineers to how and why stainless steel has become an alternative structural material to carbon steel.

Programme:

Welcome and coordination
Luciano Fassina, Chairman of the Fondazione dell'Ordine degli Ingegneri
Stainless steel as a structural material
Fausto Capelli, Managing Director Centro Inox
Design manual for structural stainless steel
published by Euro Inox, Brussels
Massimo Barteri, Centro Sviluppo Materiali
Stainless steel bar in reinforced concrete. Legislatory aspects.
Prof. Alberto Franchi, Politecnico di Milano
When stainless steel is more economical than carbon steel
Luciano Fassina, Consultant, Nickel Development Institute
Fire resistance and antiseismic features of stainless steel
Vittorio Boneschi, Centro Inox
Followed by a **round table** and **debate**. The official language will be Italian.

Participation in the meeting-debate is open to everyone and free of charge, and requires booking at the Foundation Secretary's Office - phone 02.796214 – fax 02.794916
fondazione@ordineingegneri.milano.it

STAINLESS STEEL IN BUILDING
Features and examples of application
(L'acciaio inossidabile nelle costruzioni. Proprietà ed esempi applicativi)

Wednesday 26 November 2003, 8.30 a.m. – Library of ThyssenKrupp Acciai Speciali Terni, viale B. Brin 218, Terni

Stainless steel is assuming an increasingly prominent place in building, both civil and industrial, thanks also to its high mechanical properties which, in some cases, can also be much better than those of traditional materials and which allow reduced framework thicknesses.

Programme:

1st Session: properties
Resistance to corrosion in various areas
Prof. Pietro Pedeferri – Lecturer in Materials Protection and Corrosion, "Giulio Natta" Department of Chemical Engineering, Materials and Chemistry – Politecnico di Milano
The mechanical properties of a "modern" steel for reinforced concrete buildings. Design laws and regulations.
Prof. Alberto Franchi – Lecturer in Building Science, Department of Structural Engineering, Politecnico di Milano
Fire resistance and antiseismic features
Alessandro Segala - Centro Sviluppo Materiali, Rome
Debate
Lunch
2nd Session: examples of application
Stainless steel for architecture: versatility and durability
Dante O. Benini - Dante O. Benini & Partners, Architects, Milan, London
The experience of Italian technology worldwide
Marzio Perin, Olindo De Luca - Permasteelisa Spa, Vittorio Veneto TV
Stainless steel in infrastructures: examples of use in tunnels
Francesco Ruocco - ANAS, Naples division
Debate

Participation at the meeting is open to everyone and free of charge. The official language will be Italian.

Please register within 20/11/03 at:
Centro Inox – Piazza Velasca 10 – I-20122 Milan – phone 02.86450559/69 – fax 02.860986
eventi@centroinox.it – www.centroinox.it

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NEW SHINE FOR WALLS AND FLOORS: STRENGTH AND FLAIR
(Nuovi riflessi per pareti e pavimenti: la fantasia e la forza)

Polish and satin finish, patterned and coloured tiles provide a covering for floors and walls, combining a modern and elegant aesthetic with the functionality of surfaces which are indeformable, resistant to abrasion and therefore also to acts of vandalism, and are easy to clean and sanitise.

This is a new idea consisting of the combination of porcelain stoneware and EN 1.4301 (AISI 304) and 1.4401 (AISI 316) stainless steel, which has led to a reliable, easy application product: the tiles are glued using standard glues for stoneware.

The illustrations show some examples of application of stainless steel tiles both in public places and the home: in a bar; combined with natural stone, on the wall of a bathroom, on a floor and in a cinema.

- Production: Bluestein - Via Lecco 457 - I-24030 Pontida BG - phone 035.4385404, fax 035.4385598 info@bluestein,it, www.bluestein.it

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