WARRANTY* OF 50 YEARS AGAINST PERFORATION BY CORROSION

TRUECORE® STEEL COHESION PERFORMANCE
- Galvanised steel 300g/m²
- TRUSSCORE™ steel 155g/m²

After 500 hours (Salt Spray Test)
- Galvanised steel 2/10
- TRUSSCORE™ steel

 LEARN MORE ABOUT SMARTRUSS®

HOW TO IDENTIFY GENUINE TRUECORE® STEEL

Look for the TRUECORE® steel branding that is on every sheet which is your assurance of Bluescope commitment to quality. Branding text:

TRUECORE® or SMARTRUSS® steel made by Bluescope

www.lysaght.com.my
mysupport@bluescope.com
Customer Hotline 1700-01-8831

LYSAGHT® SMARTRUSS® System conforms to JKR Specifications & CIBD IBS Requirement

Trusted Partner for Building Systems

LYSAGHT® SMARTRUSS®
Steely Support For Your Biggest Visions

NS BLUESCOPE LYSAGHT MALAYSIA
NO 6, PERSIARAN KEMAJUAN, SEKSYEN 16, 40200 SHAH ALAM, SELANGOR DARUL EHSAN, MALAYSIA.
TEL: +603-5520 6600     FAX: +603-5520 6601/02

NS BLUESCOPE LYSAGHT SABAH SDN BHD
LOT 974, BLOCK 26 KLD, KIDURONG LIGHT INDUSTRIAL ESTATE, 97000 BINTULU, SARAWAK, MALAYSIA.
TEL: +6086-251 736     FAX: +6086-252 881

NS BLUESCOPE LYSAGHT SINGAPORE PTE LTD
18 Benoi Sector, Jurong Town, Singapore 629851
TEL: +65-6264 1577     FAX: +65-6265 0951

NS BLUESCOPE LYSAGHT BRUNEI SDN BHD
INDUSTRIAL COMPLEX, BERIBI PHASE 1, 6KM, JALAN GADONG, BANDAR SERI BEGAWAN BE 1118, BRUNEI DARUSSALAM.
TEL: +673-244 7155     FAX: +673-244 7154

NS BLUESCOPE LYSAGHT SARAWAK SDN BHD
LOT 610, SECTION 66, PENDING INDUSTRIAL AREA, JALAN MERBAU, 93450 KUCHING, SARAWAK, MALAYSIA.
TEL: +6082-333 621     FAX: +6082-483 486

NS BLUESCOPE LYSAGHT MALAYSIA SDN BHD
1-2-9, KRYSTAL POINT CORPORATE PARK, JALAN TUN DR. AWANG, LEBUH BUKIT KECIL 6, 11900 SUNGAI NIBONG, PENANG, MALAYSIA.
TEL: +604-646 9553 / 6653     FAX: +604-646 6853

LYSAGHT® SMARTRUSS® System conforms to JKR Specifications & CIBD IBS Requirement

Lysaght® is a registered trademark of BlueScope Steel Limited. Lysaght® and Truecore® are trademarks of BlueScope Steel Limited.
SMARTRUSS®
FAST, EFFICIENT, WELL-ENGINEERED STEEL TRUSS SOLUTION

SMARTRUSS® is a real truss system that offers durability, affordability, strength, stability and compatibility with traditional building methods.

ADVANTAGES OF SMARTRUSS®

- Light, efficient, high strength
- Corrosion resistant coating technology
- Lightweight
- Durable
- High tensile strength
- Unique in Malaysia
- Unaffected by warping
- Unaffected by termites
- Light and easy handling
- Does not require painting
- 4X stronger protection against corrosion
- Superior cut edge protection
- Better tight bend performance

COMPUTER DESIGNED

LYSAGHT® SMARTRUSS® truss designs are supported by LYSAGHT® SUPRACADD® detail design software which enables the geometry designer to connect sections and follow stress analysis for stress analysis assurance. This high-quality, culminating detail design software is developed by LYSAGHT® Technology. Endorsed by leading building industry professionals, it comes with a full set of cutting edge features, and forms the essential foundation for any successful world-class building project.

PRECISION MANUFACTURING

Truss components are manufactured and assembled on-site.

Accredited by the National Association of Testing Authorities (NATA)

LYSAGHT® Technology operates a NATA-registered structural testing laboratory together with a complete research and development facility.

WHY TRUECORE® STEEL?

- High tensile strength minimum 350 MPa yield strength
- Structural load capacity
- Passed rain testing material
- Passed roof load testing and lifting core
- Corrosion-resistant coating technology
- Highly resistant to corrosion and deformation
- Unique in Malaysia
- Minimum service life of 50 years
- Certified to AS 1397 and SIS 1196 by Sirim
- Endures 2 x AS1945 Stress-Cycle, 9% 2mm (BASIC/AVAIL)
- Certified to SIRIM SSD LABS - Eco Friendly Coated Steel
- Precision manufactured for better tight bend performance

Advantages of TRUECORE® steel vs. Timber Trusses
- Material consistency
- Fire resistant
- Unaffected by termites
- Longevity
- Less installation errors
- Unaffected by warping

Advantages of TRUECORE® steel vs. Mild Steel Trusses
- Light weight easy handling
- Welding not required and screws assembled
- Speed of construction
- Does not require painting
- Corrosion resistant
- No material wastage

Advantages of TRUECORE® steel vs. Galvanized Iron
- 4X stronger protection against corrosion
- Superior cut edge protection
- Better tight bend performance
SMARTRUSS®
FAST, EFFICIENT, WELL-ENGINEERED STEEL TRUSS SOLUTION

ADVANTAGES OF SMARTRUSS®

SMARTRUSS® is a raft truss system that offers durability, affordability, strength, stability and compatibility with traditional building methods.

COMPUTER DESIGNED

LYSAGHT® SMARTRUSS® truss designs are supported by LYSAGHT® SUPRACADD® detail software which enables the geometry, designs the roof section and load borne by the trusses. This high-quality, robust detailing software is due to be adopted by a number of industry professionals, it comes with a full set of cutting edge features, and forms the essential foundation for any successful, world-class building project.

PRECISION MANUFACTURING

Truss components are manufactured, bundled together and marketed. Can be manufactured off-site and delivered pre-assembled. Accredited by the National Association of Testing Authorities (NATA). Certified to SIRIM ECO-LABEL - Eco Friendly Coated Steel. Az90 coating class (50µm coating thickness both surfaces).

WHY TRUECORE® STEEL?

Advantages of TRUECORE® steel vs. Timber Trusses
- Material consistency
- Fire resistant
- Unaffected by termites
- Longevity
- Less installation errors
- Unaffected by warping
- Light and easy handling
- Welding not required and screw fastened
- Speed of construction
- Does not require painting
- Corrosion resistant
- No material wastage

Advantages of TRUECORE® steel vs. Mild Steel Trusses
- 4X stronger protection against corrosion
- Superior cut edge protection
- Better tight bend performance

Advantages of TRUECORE® steel vs. Galvanized Iron
- Corrosion resistant coating technology
- Coatings are applied to steel in a powder state
- 65% Tin/35% Zinc coated steel
- 95% Zn/5% Al coating (Galvalume) with a thickness of 0.3mm (Basic EN201)
- galvanized steel
- Total cost savings according to AS 1397

Key points:
- High tensile strength minimum 350 MPa yield strength
- Structural load-grading
- Requires less building material
- Requires less structural and lifting costs
- Commonly used in grazing and farming locations
- Unique in Malaysia
- Minimum service life of 50 years
- Certified to AS 1397 and S5 1185 by SIRIM
- 1.5% silicon alloy coating
- 1.2mm Corrosion-resistant coating technology

SMARTRUSS2.indd   4-6
2/10/12   2:18 PM
WHY TRUECORE® STEEL?

**Advantages of TRUECORE® steel vs. Timber Trusses**
- **Material consistency**
- **Fire resistant**
- **Unaffected by termites**
- **Longevity**
- **Less installation errors**
- **Unaffected by warping**
- **Lightweight and easy handling**
- **Welding not required and screw fastened**
- **Speed of construction**
- **Does not require painting**
- **Corrosion resistant**
- **No material wastage**
- **4X stronger protection against corrosion**
- **Superior cut edge protection**
- **Better tight bend performance**

**Advantages of TRUECORE® steel vs. Mild Steel Trusses**
- **Material consistency**
- **Fire resistant**
- **Unaffected by termites**
- **Longevity**
- **Less installation errors**
- **Unaffected by warping**
- **Lightweight and easy handling**
- **Welding not required and screw fastened**
- **Speed of construction**
- **Does not require painting**
- **Corrosion resistant**
- **No material wastage**

**Advantages of TRUECORE® steel vs. Galvanized Iron**
- **Material consistency**
- **Fire resistant**
- **Unaffected by termites**
- **Longevity**
- **Less installation errors**
- **Unaffected by warping**
- **Lightweight and easy handling**
- **Welding not required and screw fastened**
- **Speed of construction**
- **Does not require painting**
- **Corrosion resistant**
- **No material wastage**

**Computer Designed**

TRUECORE® SMARTRUSS® truss designs are supported by LYSAHG® SUPRACAD® detail by software which enables the geometry, sections, the roof design and their beam manufacture to be transformed into detailed drawings. This high quality detail is leading software, which is used throughout the truss industry. Lysaght, being a founding member of the truss industry professional body, comes with a full set of cutting edge features, and hence the essential foundation for any successful, world-class building project.

**Precision Manufacturing**

Two components are manufactured
- Welded together and fastened
- Can be Viewed/Checked with different pre-assembled

Accredited by the National Association of Testing Authorities (NATA)

**Zn richSiliconAl rich Alloy layer**

Base metal

1.2mm

Corrosion-resistant coating technology

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**Truecore® SMARTRUSS®**

**Fast, Efficient, Well-Engineered Steel Truss Solution**

SMARTRUSS® is a steel truss system that offers clarity, affordability, strength, stability and compatibility with traditional building methods.

**ADVANTAGES OF SMARTRUSS®**

**Computer Designed**

1. Load – Displacement of C75 1.0mm BMT 25 Degree Heel with Short Stiffener and 9 off #12-14x20 Teks Compression Test
2. Heel Bearing Test of C75 1.0mm BMT Section with Short Stiffener and 9 off #12-14x20 Teks

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