IEM REGIONAL BRANCH CONTACTS

NEGERI SEMBILAN BRANCH
428, 1ST & 2ND FLOOR
JALAN TUN DR ISMAIL
70200 SEREMBAN
TEL:06-7624636
Chairman : Ir. Hj. Ahmad Husaini bin Hj. Sulaiman

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KEDAH-PERLIS BRANCH
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KOMPLEKS ALOR SETAR
LEBUHRAYA DARULAMAN
05100 ALOR SETAR, KEDAH
TEL:04-7343420 FAX:04-7333962
Chairman : Y. Bhg. Dato' Ir. Hj. Abdullah bin Hj. Abbas
Secretariat : Pn. Salmah

PENANG BRANCH
LEVEL 5, 5-A NORTHAM VENTURE
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10050 PENANG
TEL:04-8182045/8182046 FAX;04-8182046
Chairman : Ir. Vincent Tan Huei Meng
Secretariat : Miss Ng

MELAKA BRANCH
2, JALAN MELINJA 2,
TAMAN MELINJA
75150 BUKIT BARU, MELAKA
TEL;06-2848028 FAX:06-2838919
Chairman : Ir. Hj. Abd. Rahim bin Shamsudin
Secretariat : Miss Lee

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77-3, WISMA NEW FAR EAST LUYANG,
88855 KOTA KINABALU, SABAH
TEL:088-236749 FAX:088-236749
Chairman : Ir. Lee Tet Fon
Secretariat : Miss Wendy

SARAWAK BRANCH
ULTIMATE PROFESSIONAL CENTRE
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KUCHING, 93100 KUCHING, SARAWAK
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Chairman : Ir. Zawawi bin Emboy
Secretariat : Miss Winnie

THE INSTITUTION OF ENGINEERS, MALAYSIA
EASTERN BRANCH
PEJABAT PENGARAH KERJARAYA KELANTAN
JALAN KUALA KRAI
15050 KOTA BHARU, KELANTAN
TEL:09-7455901 FAX:09-6232094
Chairman : Y. Bhg. Dato' Ir. Hj Annies bin Md. Ariff

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WISMA NEGERI
20200 KUALA TERENGGANU,
TERENGGANU
TEL:09-6222444 FAX:09-6235624 / 09-6232094
Chairman : Y. Bhg. Dato' Ir. Hj. Mohamad bin Husin

PERAK BRANCH
8th FLOOR, PERAK KAYONG BUILDING
114, JALAN SULTAN YUSOF
30000 IPOH, PERAK
TEL:05-2410722 FAX:05-2540669
Chairman : Y. Bhg. Dato' Ir. Hj. Abdul Rahman bin Dahan

SOUTHERN BRANCH
24-B, JALAN ABIAD
TAMAN TEBRAU JAYA
80400 JOHOR BAHRU , JOHOR
TEL:07-3319705 FAX:07-3319710
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Secretariat : Lina

MIRI BRANCH
LOT 2935, 2ND FLOOR,
FARADALE COMMERCIAL CENTRE,
JALAN BULAN SABIT,
98000 MIRI, SARAWAK
Tel: 085-453297 Fax: 085-454959
Chairman : Ir. Dr Edwin Jong Nyon Tchan

THE INSTITUTION OF ENGINEERS, MALAYSIA
Bangunan Ingenieur, Lots 60 & 62,
Jalan 52/4, P.O. Box 223,
(Jalan Sultan) 46720 Petaling Jaya, Selangor.
Tel: 03-7968 4001/4002 Fax: 03-7957 7678
E-mail: sec@iem.org.my Homepage:
http://www.iem.org.my

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An entire suite of LYSAGHT® structural steel decking products including LYSAGHT® BONDEK® II, LYSAGHT® W-DEK™ and LYSAGHT® POWERDEK™ is available to meet diverse building needs. These structural steel sheeting profiles offer different spanning and loading capacities to suit different design needs.

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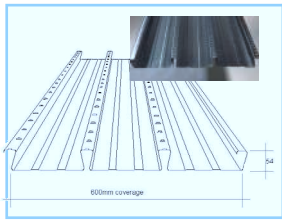
LYSAGHT® BONDEK® II steel sheets are permanent formwork for a suspended composite concrete slab. In its assembled state, it can be used as a working platform and formwork to support wet concrete, construction materials and trades. The top of the steel sheet ribs is reinforced with embossment for better mechanical resistance between concrete and steel deck. When the concrete hardens, LYSAGHT® BONDEK® II acts as the bottom reinforcement in a composite floor slab system. It is a complete structural steel decking system for concrete, masonry or steel frame construction.



Features of LYSAGHT® BONDEK® II
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- Positive interlocking system
- Durable galvanised coating
- Corrosion protected
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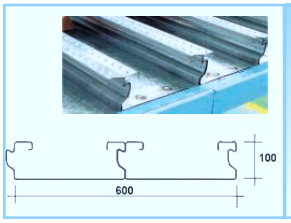
- Quick and easy installation

LYSAGHT® POWERDEK™

LYSAGHT® POWERDEK™ is a high performance structural steel decking profile that is used as a formwork system during the construction and reinforcement in composite slabs. The LYSAGHT® POWERDEK™ is poised to give you significantly increased spans and substantially increased load capacities. It is available in two different profiles - POWERDEK™ 100 (100mm overall depth) and POWERDEK™ 120 (120mm overall depth). They are ideally suited for long unpropped spans between 5m to 6m. POWERDEK™100 and POWERDEK™ 200 can have shear-bond capacity that is sufficient for imposed loads of up to 25kPa and 30kPa respectively.



Features of LYSAGHT® POWERDEK™
- Precambered to minimise formwork deflection
- Longer, unpropped spans of up to 6.0m
- Profile enclosed in concrete
- Exceptional fire performance: no extra reinforcement for up to 3-hour fire rating
- Reduces construction time
- Superior durability

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- Research and development support
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- Recognised by Jabatan Bomba Dan Penyelamat (Fire and Rescue Department) Malaysia as a fire tested product.
- Accreditation by NATA laboratories
- Product recommendation and design to suit your specifications
- Software for design calculations to derive optimal solutions
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BlueScope Lysaght's quality steel decking products, together with its personal value-added services is the most comprehensive choice for your structural decking needs. Please contact +603 5519 2000 (Structural Decking) for further information.