



SRIA ENVIRONMENTAL SUSTAINABILITY POLICY (ESP)

SRIA's goal is to encourage the economic, elegant and innovative design and construction of reinforced concrete structures through practical solutions to meet the diverse and ever changing needs of the Australian building industry.

SRIA Members support Environmental Sustainability to measure and benchmark the industry's environmental, social and economic performance. This is a continual process of benchmarking, monitoring and measuring progress. The SRIA has established and maintains global networks to deliver improvement programs of responsible best practice to the local steel reinforcing sector.

SRIA'S REINFORCING SUSTAINABILITY POLICY HAS THE FOLLOWING INTER-RELIANT CORE OBJECTIVES:

Environmental leadership

Sustainable construction materials support sustainable development and are characterised as being environmentally friendly. SRIA focuses on the characteristics of steel reinforcing materials to promote the minimum environmental, social and economic impact. They include:

- Durability;
- Local or regional processing to minimise transportation needs;
- Manufactured with minimised pollution or does not itself pollute;
- Minimum amount of energy required to produce;
- Commitment to the promotion of recovery and recycling;
- Capable of being used in an innovative way to lessen social, environmental, and economic impacts.

The SRIA supports the Building Products Innovation Council (BPIC) in its three major areas of building code reform, product certification, and sustainability. Reinforcement data is being submitted to a National materials data base that will create a "level playing field" for all construction materials. This is part of a Life Cycle Inventory for construction materials. It will be used in Life Cycle Assessment, and ultimately in Sustainability Rating Tools for more energy efficient and sustainable commercial and residential building construction.

Safety and health

SRIA promotes industry wellbeing and a safe and healthy working environment. Monthly LTI's and MTI's of participating member companies are recorded. This data enables member companies to compare and benchmark their safety record against the National industry. The aim is to achieve an accident-free workplace with zero harm to all steel reinforcing industry employees and contractors.

Community well-being

Clients who emphasise sustainable development want to know if steel reinforcing is a sustainable construction ("green") material. Sustainable development requires the selection and sensible application of sustainable construction material. SRIA is contributing to rating tools and educates the market in minimising the environmental, social and economic impact of steel reinforced solutions.

Economic responsibility

SRIA members seek new technologies and systems to operate businesses in an efficient and financially sustainable way with a reduced carbon footprint. Products are optimised for life cycle eco-efficiency throughout the stages of production, application, recovery and recycling.

Building innovation and excellence

The SRIA promotes innovation through new technology and best practice in the use of steel reinforcing in the building and construction sectors. High quality technical support and information services are provided to the Australian building industry. The SRIA also supports all Australian universities teaching Civil/Structural Engineering Degrees making available to them a practical reinforcement lecture package, handbooks and a resource CD. This industry linkage is invaluable for a practical insight for the future designers and detailers of reinforced concrete.

Steve Hamer
SRIA President

Scott Munter
SRIA Executive Director



STEEL
REINFORCEMENT
INSTITUTE
OF AUSTRALIA

Publications and resources available from the SRIA website www.sria.com.au are listed below. The technical publications are currently being revised and updated, and will be re-issued as a Technical Note series.

Title	Description
Multi-Storey Construction	
QV1	A detailed case study of a 42-storey building in Perth
Form and Function in Concrete	Case studies of prominent buildings in six capital cities
Australia's 100 Tallest Buildings	Pictorial overview, analysing them by structure, number of floors and overall height. It shows the dominance of reinforced concrete in this market and identifies reasons for this
Seismic Detailing for Reinforced Concrete Buildings in Australia	Reviews the detailing requirements of AS 3600 for building structures designed for Australian seismic conditions. Following a brief overview of Australian seismicity and relevant code requirements, specific details are presented together with commentary and supporting case studies from recent overseas earthquakes

Tilt-Up and Precast Concrete Construction

Tilt-Up Digest	An examination of recent tilt-up buildings
Tilt-Up City	Reviews the contribution that tilt-up construction has made to the Joondalup streetscape in Perth by considering several projects in the commercial, retail and residential areas – the realisation of Landcorp's vision of "A City in Harmony"
Ten Steps to Tilt-Up	Ten reasons why tilt-up is becoming the preferred construction system for many commercial and residential developments – ten reasons why you should use it on your next project

Housing Construction

10 Steps to Build a Reinforced Concrete Slab-On-Ground	Step-by-step guide for a house builder to successfully construct a durable slab-on-ground, the preferred floor and footing solution for housing
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Practical Guides for Detailing and Handling of Reinforcement

Fabrication and Site Handling of Reinforcing Bars	Includes identification of Australian reinforcing bar, recommendations for safe and effective handling on site, and covers bending and re-bending, site heating, splicing and use of protective coatings
Guidelines for Economical Assembly of Reinforcement	This Guide recommends detailing and fixing practices which will allow some flexibility when placing steel reinforcing bars and fabric

Other Publications

Why Concrete?	A classic lecture by Professor H J Cowan, AO Professor Emeritus of Architectural Science, University of Sydney. Although originally published in 1970, most of its statements are still true today
Why Concrete Framing?	There are ten good reasons why concrete is the preferred material for the vast majority of building frames

CD ROM

Resources	A CD ROM containing all these publications and more, in an easy-to-use interactive format, is available from SRIA.
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