

# CLAY BRICK TECHNICAL GUIDE

3rd Edition 2015 Revised

The Claybrick Association



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Numerous other CBA members who have over the years, played a huge part in developing the Technical Materials of the Clay Brick Association.

### **The Clay Brick Association of South Africa**

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[www.claybrick.org](http://www.claybrick.org)

## REFERENCES AND RECOMMENDED READING

The Clay Brick Association of South Africa  
Clay Brick Laying Made Easy

FW Kraukamp:  
1. Bricklaying & Plastering Theory (N1&2)  
2. Bricklaying is easy.

BDA UK:  
The BDA Guide to Successful Brickwork.

Brick Institute of America:  
Pocket Guide to Brick Construction.

Cement & Concrete Institute (RSA):  
Various pamphlets on concrete, mortar, plaster and construction detailing.

National Home Builders Registration Council:  
Home Building Manual Parts 1, 2 & 3.

FS Croft: FSC Consulting Engineers:  
Chapter 5: Structural masonry with clay brick

CT Dickinson – Consultant:  
The Clay Brick Association of South Africa

H Harris – Consultant:  
The Clay Brick Association of South Africa

Lessons for South Africa from global trends in environmental labelling of buildings and construction products

# FOREWORD

The Clay Brick Association of South Africa is proud to bring you the completely revised and revamped version of its well-received Clay Brick Technical Guide. The publication has not only undergone a full visual overhaul with a new look and feel and completely new illustrations, it has also undergone a complete revision of all its technical content.

With the complete revision of the SABS and its SANS codes, which included the new SANS 10400, we as the CBA felt it time to bring our technical guide up to speed with the new standards and in turn ensure it is the most up to date publication in regarding best practices for masonry walling. Taking a lot of its cues from SANS 10400 – Part K, the publication covers the need to know aspects of clay masonry from manufacture of clay units to accommodation of movement and standards for structural masonry, all in the pages of this handy guide.

One of the corner stones (no pun intended) of the Clay Brick Association is to preserve and uphold technical excellence within the clay brick industry, whether it be through the numerous technical projects we are involved in and promoting or through producing technical publications such as this.

Upholding the great name of clay brick as one of the earth's most sound and versatile building materials will always remain our passion.

We have also included three new chapters on sustainability, energy efficiency standards, thermal comfort and the role clay brick has to play in complying within the eco space. Whether you are an experienced clay mason, brick manufacturer or trainer, this publication offers invaluable professional insight into clay masonry.



Jonathan Prior

Executive Director  
Clay Brick Association of South Africa

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