

2ndApril2015

TECHNICAL SALES BULLETIN 011

THE IMPORTANCE OF CORRECT SETTING BLOCK USAGE & POSITIONING FOR S.I.G.UNIT GLAZING

Notwithstanding the leaflets & literature that GSA have implemented relating to this important issue (see below), it has been brought to our attention that some GSA customers are still not using the correct setting blocks when installing SIG units.

It is imperative that we continue the education process with our SIG customers, as incorrect glazing practices will negate the product warranty, as well as unfairly jeopardising the products reputation in the marketplace.

- Each unit should rest on setting blocks of sufficient width to support the entire inner lite thickness, as well as at least 75% of the thickness of the outer lite. In this way, the weather seal in flush-glazed systems may be continued past the front of the setting block.
- Setting blocks should measure minimum 100mm long x minimum 4mm thick, and have a 50– 80 durometer Shore A hardness, positioned at quarter points along the bottom edge of the unit.
- Although pre-cured silicone is the best material for setting blocks in flush-glazed systems, any other material compatible with the weather seal and satisfying the above-mentioned hardness criteria will be acceptable.
- The primary function of the setting block is to evenly distribute the unit mass, thus reducing the stress in the bottom edges, as well as reducing distorted reflections in reflective glass units. In opening sections, setting blocks should also be placed on vertical and top edges, as detailed in SANS 10137.

Note: All of the above points apply equally to both InsulSmart single-seal and InsulVue dual-seal units.

Appended below, are a few photos showing the results of incorrect setting block usage. These units failed due to the setting block not supporting either of the 2 glasses of the unit, and was positioned BETWEEN the 2 glasses!

Yours sincerely,

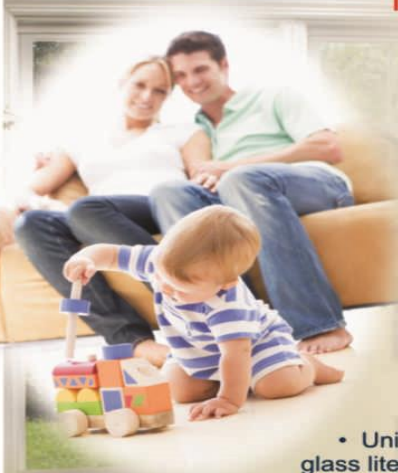


Mike Pote
Technical Manager
GSA Building Products
011 417-5800
mpote@gsa.co.za



Double the comfort, double the saving

**ALL YOU NEED TO KNOW ABOUT
INSUL-SMART SINGLE SEAL
DOUBLE GLAZED UNITS**



- Can only be used when fitted into conventional bead glazed frames.
- Frames must have weep holes as is the case with all double glazed systems.
- Must be glazed in accordance with SANS 10137 and AAAMSA standards. Special attention to setting blocks.
- Must be installed within a maximum altitude difference of 150m from place of manufacture.
- Units must be stored and transported with both glass lites equally supported at the bottom.
- Adhere to the instructions on the labels placed on the glass.
- All units carry a 15 year limited warranty.

Please contact the supplier for any further information required

INSUL-SMART can also be made up with a combination of all other SmartGlass products within the SmartGlass range.



SmartGlass Solutions Centre 0860 695 695

brought to you by



GLASS SOUTH AFRICA

www.gsa.co.za

Figure 1 : Example of leaflet that accompanies every invoice for InsulSmart units



Figure 2 : Setting blocks not supporting glass, therefore units hermetic seal compromised.



Figure 3: Close-up showing setting block between glasses (also incorrect material-masonite)



Figure 4: Glass resting on metal frame, due to incorrect setting blocks