



# GTEK™ SMARTWALL



PLASTERBOARD

December 2023

Applied to double brick construction, drywall plasterboard lining replaces traditional wet set plaster.

**GTEK™ Smartwall is a new plasterboard finishing system designed to fast-track construction and is far superior to the old style wet set plastering of internal brick walls.**

The greatest benefits being no more joint and cornice cracking, improved Ambient Technology, speedy systemised construction and introduces smart management techniques to minimise waste.

## Gypsum

Gypsum is an amazing raw material that has been used in construction for centuries. There are significant beneficial qualities such as fire protection, regulating sound, acting as a thermal insulator, or equilibrating humidity and heat peaks, which translates into a diverse and vital building product. Its main use is as an internal wall and ceiling finish.

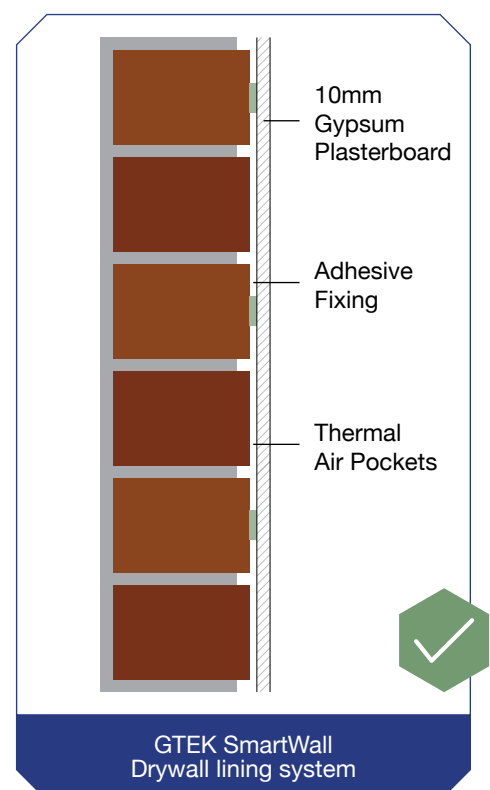
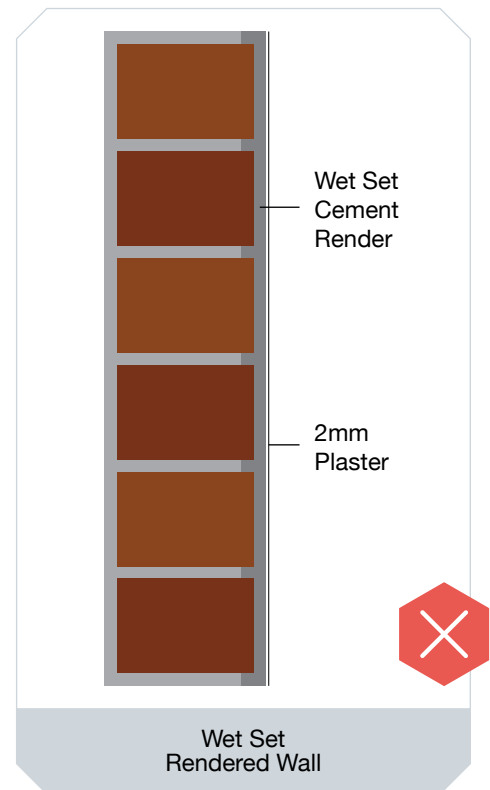
There are generally two types of wall finishing methods - wet set plastering and dry wall plasterboard. Wet plaster utilises a sand and cement-based render and top coated with a thin layer of plaster whilst plasterboard is a thick gypsum mix layered between lining board.

**GTEK™ Smartwall is made from a 10mm layer of gypsum mix whereas traditional cement rendered and plastered surfaces generally only utilises a 2mm layer of plaster. Therefore, the GTEK™ Smartwall gypsum mix is arguably 5 times more beneficial than wet set plastering.**

A GTEK™ Smartwall, plasterboard lining has up to 30% less embodied energy (energy to manufacture) than a wet set, cement based, render.

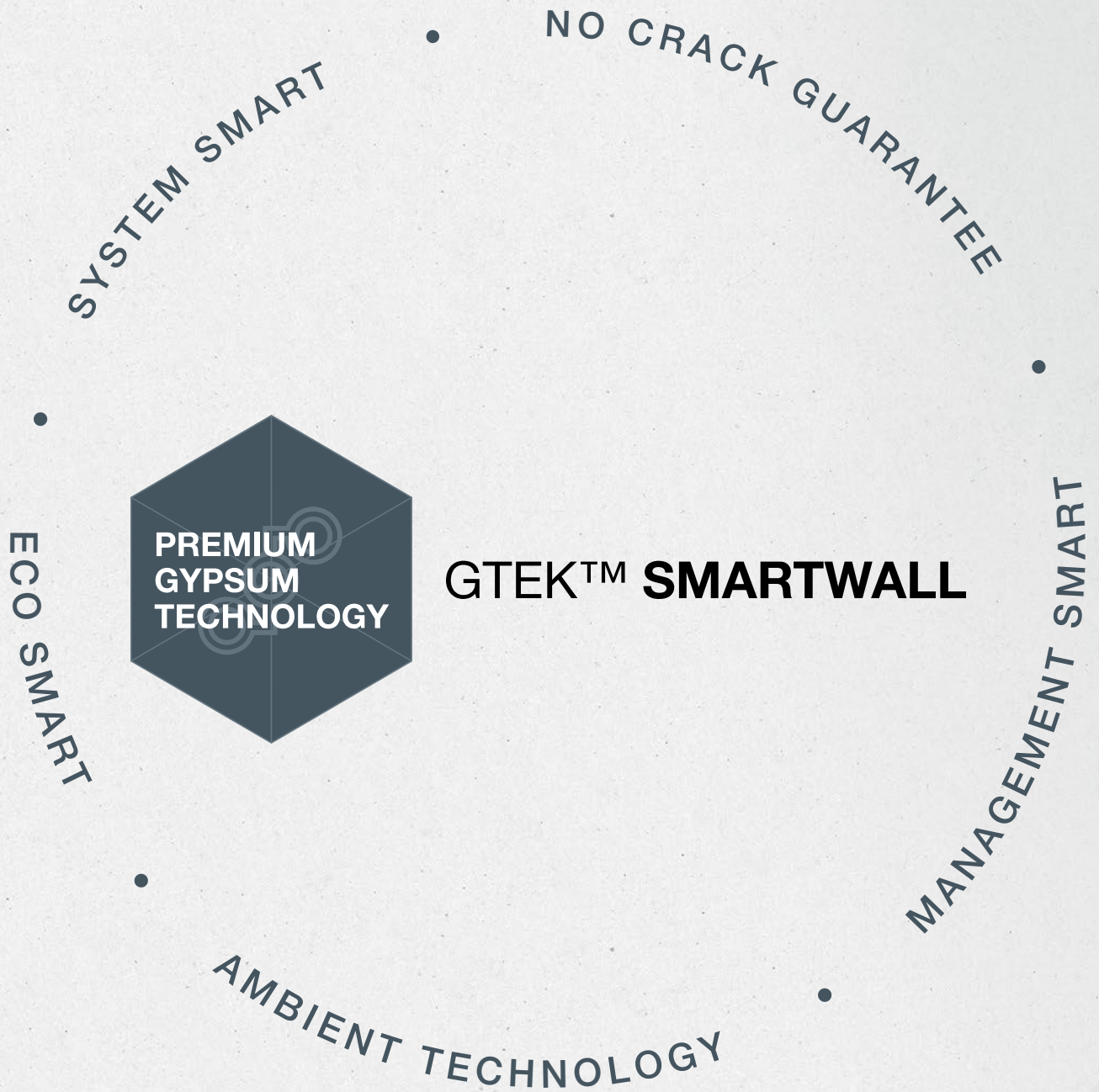
GTEK™ Smartwall improves internal room sound quality, room temperature comfort, looks sharp, helps save the planet and shortens construction time.

All advantages when building a new home.



## ► Benefits

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GTEK™ Smartwall creates smooth internal walls with a fast and efficient installation process, giving an easy to maintain finish that is resistant to settling and cornice cracking. Applied to double brick construction, drywall lining is used instead of traditional plaster.

Watch the video to learn why GTEK™ Smartwall is the smarter choice for your premium interior wall finish.



Scan QR code  
to watch video



**With GTEK™ Smartwall lining, GTEK™ Cornice and GTEK™ Ceiling being of the same material, any cornice line cracking is eliminated.**

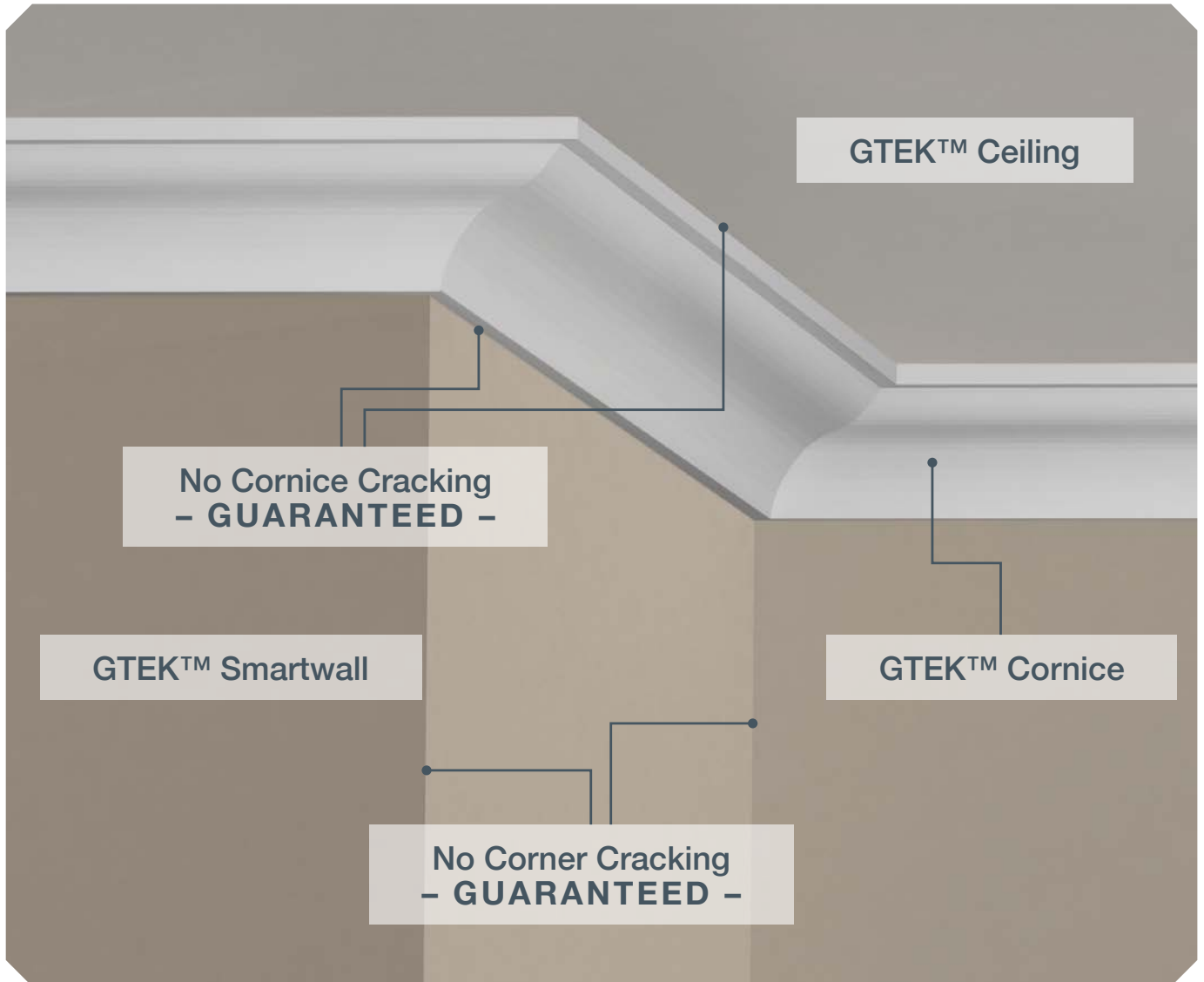
Use GTEK™ Smartwall products with GTEK™ Tradesmen and we'll guarantee repairs to any cracks for the lifetime of your completed home. In the unlikely event that your GTEK™ Smartwall or cornice line cracks, we'll repair it at our cost.\*

### **Maintenance Smart**

GTEK™ Smartwall is an integral component in the complete lining system of the internal spaces in your home. Matched with GTEK™ Ceiling, GTEK™ Cornice, GTEK™ Compounds and Jointing materials a completed internal environment will be relatively maintenance free. However, in the event surfaces are damaged repair work is easy. Hanging pictures, fixing brackets or shelving is straight forward and won't crack the GTEK™ Smartwall.

\*If installed in accordance with the National Construction Code (NCC), AS2589 and Smartwall Installation Guide using the complete GTEK™ Smartwall System. Cracking caused by external sources, such as building or structural movement or impact is not covered by this guarantee.

## ► What's Good About GTEK™ Smartwall



### Faster

GTEK™ Smartwall is installed using drywall lining rather than traditional plaster. It arrives on site as full sheets and is measured and cut to size on site as required.



### Locally made

GTEK™ Smartwall is proudly manufactured locally in Perth contributing to the WA economy by employing WA people. It also means that product is always readily available.



### Smoother

GTEK™ Smartwall provides a significantly smoother wall finish and a more comfortable room environment.



### Smarter

GTEK™ Smartwall is easy to repair if damaged and will result in less wall and cornice cracking than traditional plaster.



### Defined corners

GTEK™ Smartwall produces cleaner, more defined corners.

# ► Ambient Technology

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For a clean, easily-painted wall surface finish superior to cement render, GTEK™ Smartwall minimises cracking, corrects misaligned walls and eliminates damaging render splashes.

## Ambient Technology

GTEK™ Smartwall is a premium, next generation interior lining system designed to enhance living conditions and improve construction methodology.

## A Smooth, Premium Wall Finish

Because GTEK™ Smartwall is manufactured in a factory, it provides a straight, regulated and consistently smooth surface finish. Recessed edges filled and finished, present invisible surface joining. When completed this will promote a more comfortable room environment. GTEK™ Smartwall produces cleaner, more defined corners and can be painted immediately following installation. No need to wait for the setting plaster to dry. With the wall lining, cornice and ceiling consisting of the same material, any cornice line cracking is eliminated.

## Regulates Sound

Internal bricks lined with GTEK™ Smartwall provide a physical barrier to sound, incorporates a sound break and minimises reverberation. Because of the lower density core structure of GTEK™ Smartwall it has the characteristic of reducing the internal echo effect in rooms.

## Acts as a Thermal Insulator

Thanks to its low thermal conductivity, GTEK™ Smartwall contributes to the insulation of external walls. Plus, unique, and important air pockets are created between the wall and the plasterboard enhancing the lack of thermal transfer into the interior environment, typical on hot summer nights. Trapped air pockets act in the same way as insulation products.





GTEK™ Smartwall plasterboard is direct fixed to brickwork with a strong GTEK™ Masonry Adhesive to prevent any movement.



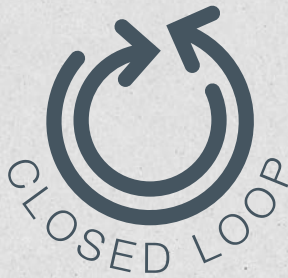
GTEK™ Masonry Adhesive acts as a stand-off and creates pockets of trapped air that enhances the thermal insulation of the room.



GTEK™ Smartwall reduces the internal echo effect of rooms.



GTEK™ Smartwall provides a straight, regulated and consistently smoother surface finish.



## Recyclable

GTEK™ Smartwall is also made from an indefinitely recyclable raw material, gypsum, where the chemical composition of the raw material in the product remains unchanged. Plasterboard products can furthermore be counted amongst the very few construction materials where 'closed-loop' recycling is possible, i.e. the waste can be used to make the same product again. Unique to GTEK™ WA, any left-over materials and waste can be recycled without ending up as land fill.

The presentation liner used to create the tough outer surface of GTEK™ Smartwall is biodegradable and made from recycled papers and cardboard materials.



## Fire Protection

GTEK™ Smartwall is naturally fire resistant and is classified as non-combustible. The aerated core structure within GTEK™ Smartwall acts as an insulator to reduce the spread of fire within the home.



## GECA Licensed

GTEK™ Smartwall has been licensed by GECA (Good Environmental Choice Australia), which means that the products and their manufacturing environment have been evaluated and deemed to comply with the strict guidelines set by GECA.

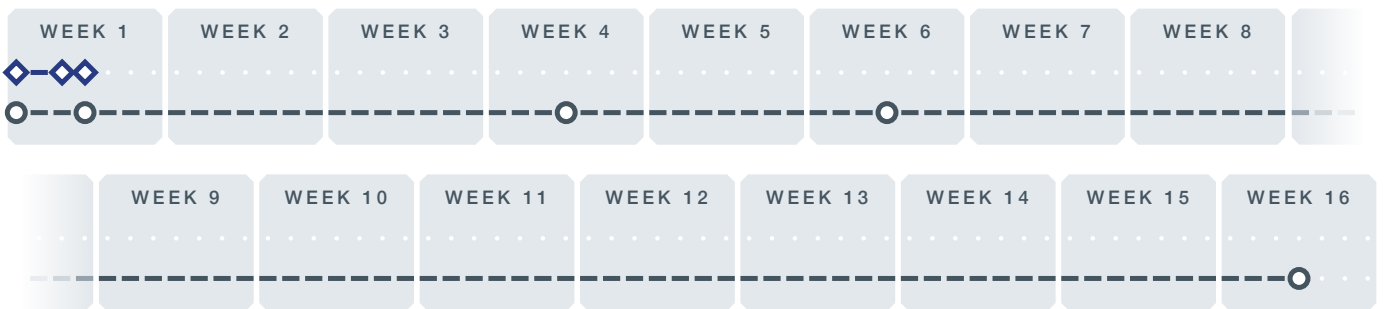


# Management Smart

GTEK™ Smartwall is designed to reduce lag in construction time.

Wet Set Plastering Time Frame:	<b>16 Weeks</b>
○ DAY 1	Render starts
○ DAY 4	Render (float) completed
○ WEEK 4	Plaster (set) top coat applied
○ WEEK 6	Waste removal
○ WEEK 16	Ready to paint

GTEK™ SmartWall Time Frame:	<b>4 Days</b>
◇ DAY 1	GTEK™ Smartwall starts
◇ DAY 3	GTEK™ Smartwall completed
◇ DAY 4	Ready to paint



GTEK™ Smartwall’s improved installation system results in a much quicker construction time frame ensuing early trade access. Traditional wet-set plastering can take up to 15 weeks longer before the finishing trades can gain access. It’s possible to achieve a 4-day installation turn-around. This means a painter can access from 4 days following the GTEK™ Smartwall installation starting time.

## No water, sand and setting times make for improved project management adding up to greater time saving advantages.

No need to wait for the setting plaster to dry.

On-site waste management is greatly improved without the need for sand, cement, and water to be supplied. Culminating in the need to remove the excess waste.

The recycling ability of the ‘closed loop’ characteristics of plasterboard enhances the preferred use of GTEK™ Smartwall.



# ▶ System Smart

## Easy and Fast to Install

To construct an internal wall, GTEK™ Smartwall plasterboard sheets are cut to size, adhered to the internal clay brickwork using masonry adhesive, joints are filled, sanded and the wall is ready for painting. Screw fixing points are eliminated by using masonry adhesive.

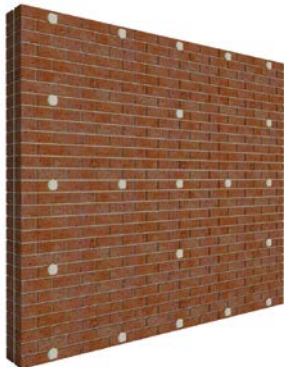
There is a specific water-resistant board designed for use in wet areas of the home such as bathrooms and laundries to withstand moisture, humidity and allow tiling to commence.

The complete operation is fast, clean, dry, and uncomplicated.

GTEK™ Smartwall is a three-step system designed to maximise the production efficiency and ultimate end quality of the living spaces.



Scan QR code to watch video



### 1. Prepare surface

The bricks are cleaned before installation of the GTEK™ Smartwall. Masonry Adhesive is then applied directly to the wall at specific spacings.

### 2. Install GTEK™ Smartwall

The GTEK™ Smartwall boards are then installed. Window and door openings are cut around as required.



### 3. Finish surface

Joints and corners are then flushed and finished which includes a final sanding coat ensuring a clean and smooth finish to the GTEK™ Smartwall.

GTEK™ Smartwall is a local Western Australian designed and manufactured product by GTEK™ Plasterboard.

It has been researched, designed, and manufactured to meet the requests and requirements set out by the home builder.

Established in 2003 by BGC Plasterboard, GTEK™ Plasterboard employs 150 people and market its products throughout Australia. Successfully establishing itself as one of the key plasterboard manufacturers in Australia.



## GTEK™ Direct

GTEK™ Direct stores are located throughout Western Australia.

Committed to excellence, GTEK™ Direct provides quality products and service to meet the needs of the Australian building industry.



### **GTEK™ Direct Hazelmere**

290 Bushmead Road  
Hazelmere, Western Australia 6055

Phone 08 9374 2900

Email [sales@gtekdirect.com.au](mailto:sales@gtekdirect.com.au)

### **GTEK™ Direct Jandakot**

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### **GTEK™ Direct Malaga**

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Phone 08 9374 2942

Email [sales@gtekdirect.com.au](mailto:sales@gtekdirect.com.au)

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