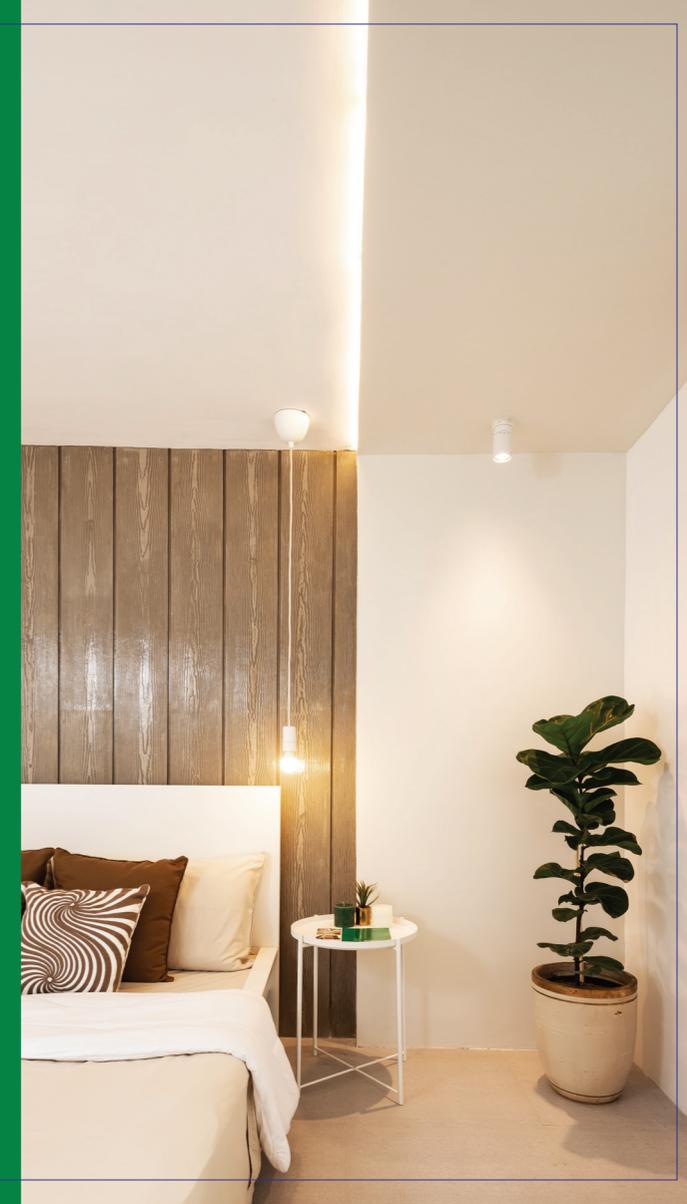




**Take control**  
of what's happening  
inside your home.

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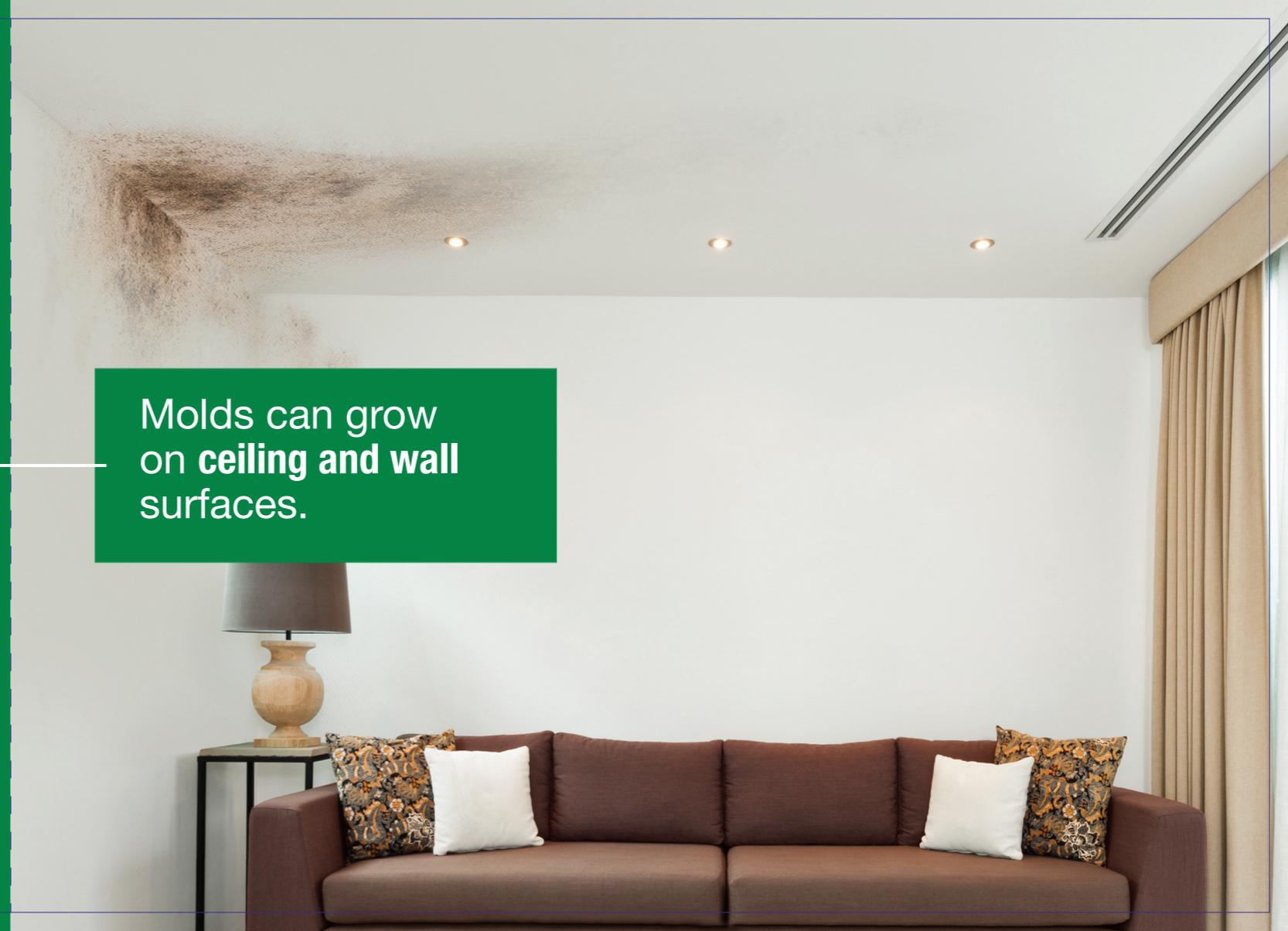
NOT FOR SALE IN THE UNITED STATES



Have you seen  
these little dark spots  
in your home?  
**These are molds.**



Molds can grow  
on **ceiling and wall**  
surfaces.



## Where do molds commonly develop?

- Areas of the home exposed to leaks
- Areas with moisture and water exposure
- Environments with insufficient air flow



Kitchen



Bathroom



Laundry

## Did you know?

The Philippines' high humidity is a natural breeding ground for molds.



Some of the signs to watch out for that **a home may be affected by dampness and mold growth** are:

## Did you know?

It can take as little as 72 hours for molds to multiply.



Dark spots on surfaces



A strong, musty odor or "amoy amag"



\*Respiratory and allergy conditions (runny nose and congestion, sneezing, coughing, headache etc.)



\*Maria Nordengrün, S. M.-G. (2018). The Quest for Bacterial Allergens. International Journal of Medical Microbiology. S. Aureus - Regarding the common bacterial inhabitants of the human respiratory tract, colonization or infection with Haemophilus influenzae, Streptococcus pneumoniae, Moraxella catharralis and Staphylococcus aureus have been associated with the induction and exacerbation of asthma, chronic obstructive pulmonary diseases and recurrent wheezing early in life. Moreover, in patients suffering from allergic disorders such as asthma, AD or nasal polyposis, S. aureus colonization appears to occur much more frequently (87%, 90%, 87%, respectively), in contrast to 20%–50% colonization of healthy adults

# Help prevent the growth of "toxic black mold"\* on your ceilings and walls.

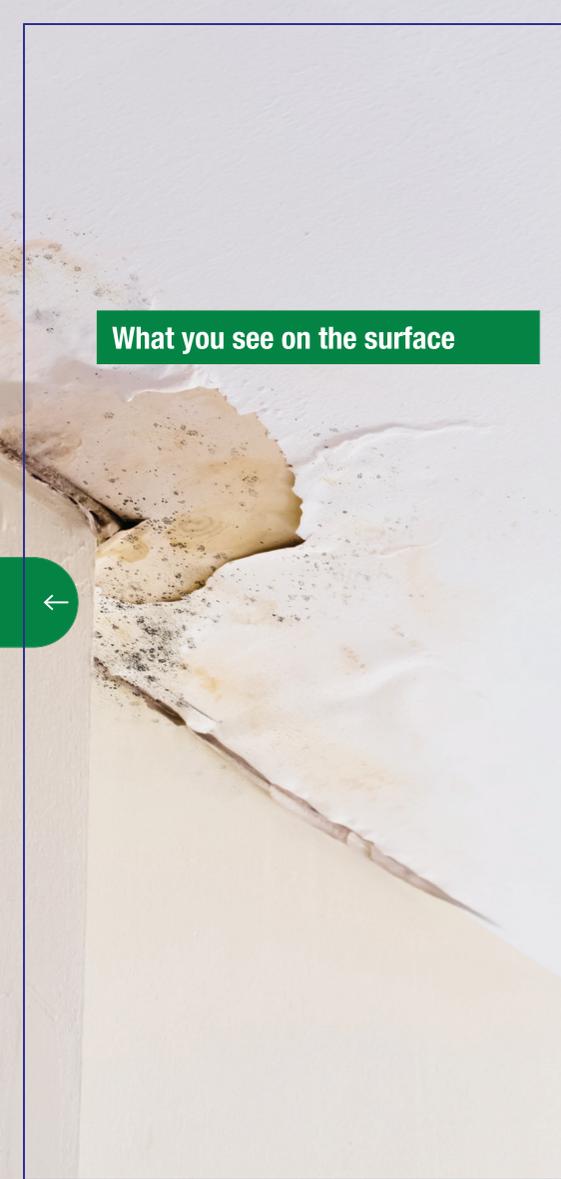
Molds can damage the beauty and integrity of your home. Whether you're constructing a new house, renovating or replacing your ceilings and walls, choose a product which is mold resistant.

\*EPA 402-K-02-003 From US Environmental Protection Agency: Molds can gradually destroy the things they grow on. You can prevent damage to your home and furnishings, save money, and avoid potential health problems by controlling moisture and eliminating mold growth.

\*Stachybotrys Chartarum, commonly referred to as "toxic black mold". Risks associated with Stachybotrys Chartarum may be found here: <https://www.cdc.gov/mold/stachy.htm#:~:text=Stachybotrys%20chartarum%20is%20a%20greenish,is%20required%20for%20its%20growth,MoldBlock%20Technology> is effective in reducing colonies of Stachybotrys Chartarum (toxic black mold) by up to 99% over 24 hours based on results of ASTM E2149-20.



What's really behind the surface

A close-up photograph of a wall surface showing significant mold growth. The mold appears as dark, fuzzy patches on a light-colored, textured surface. The wall is peeling away from the ceiling, revealing a darker, possibly water-damaged area underneath. The mold is concentrated in the corner where the wall meets the ceiling.

What you see on the surface

# Help prevent the growth of "toxic black mold"\* on your ceilings and walls.

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**HardieFlex<sup>®</sup>**  
**NEXGEN<sup>™</sup>**  
 MOLDBLOCK<sup>™</sup> TECHNOLOGY



HardieFlex<sup>®</sup>  
 NEXGEN<sup>™</sup>



**MoldBlock<sup>™</sup>**  
**Technology**



**Mold resistant**

Featuring its MoldBlock<sup>™</sup> Technology which helps prevent the growth of "toxic black mold"<sup>\*\*</sup> on your HardieFlex<sup>®</sup> NexGen<sup>™</sup> fiber cement boards.

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**Proven antimicrobial**

HardieFlex<sup>®</sup> NexGen<sup>™</sup> fiber cement boards with MoldBlock<sup>™</sup> Technology are resistant to the growth of bacteria\* which can aggravate allergies, cause odor, or present a risk to human health.

\*Resistant against fungi Aureobasidium pullulans, Aspergillus niger, and Penicillium citrinum based on test results of ASTM D3273-16 over eight weeks: 99.99% reduction in bacterial colonies of Staphylococcus Aureus, Streptomyces, and E. Coli based on test results of ASTM E2149-20 over 24 hours.



**Helps reduce risk of repairs**

HardieFlex<sup>®</sup> NexGen<sup>™</sup> fiber cement boards with MoldBlock<sup>™</sup> Technology reduces the risk of having to repair or replace interior linings affected by "toxic black mold"<sup>\*\*</sup> growth.

\*EPA 402-K-02-003 From US Environmental Protection Agency: Molds can gradually destroy the things they grow on. You can prevent damage to your home and furnishings, save money, and avoid potential health problems by controlling moisture and eliminating mold growth.

\*\*Stachybotrys Chartarum, commonly referred to as "toxic black mold". Risks associated with Stachybotrys Chartarum may be found here: <https://www.cdc.gov/mold/stachy.htm#:~:text=Stachybotrys%20chartarum%20is%20a%20greenish,is%20required%20for%20its%20growth>. MoldBlock<sup>™</sup> Technology is effective in reducing colonies of Stachybotrys Chartarum (toxic black mold) by up to 99% over 24 hours based on results of ASTM E2149-20.

HardieFlex® NexGen™ fiber cement boards  
are Mold Resistant\* and **protected by  
MoldBlock™ Technology.**

\*Resistant against fungi *Aureobasidium pullulans*, *Aspergillus niger*, and *Penicillium citrinum* based on results of ASTM D3273-16 testing over eight weeks; and  
MoldBlock™ Technology effective in reducing colonies of *Stachybotrys Chartarum* (toxic black mold) by up to 99% over 24 hours based on results of ASTM E2149-20.



HardieFlex® NexGen™

HardieFlex® NexGen™ fiber cement boards with MoldBlock™ Technology are **proven antimicrobial**.

\*Resistant against fungi Aureobasidium pullulans, Aspergillus niger, and Penicillium citrinum based on test results of ASTM D3273-16 over eight weeks; 99.99% reduction in bacterial colonies of Staphylococcus Aureus, Streptomyces, and E. Coli based on test results of ASTM E2149-20 over 24 hours. \*\*99.99% reduction in bacterial colonies of Streptomyces (odor causing) based on test results of ASTM E2149-20 over 24 hours.



HardieFlex® NexGen™

HardieFlex® NexGen™ with MoldBlock™  
Technology reduces the risk of having  
to repair or replace interior linings  
affected by "toxic black mold"\* growth.



Mold  
resistant



Resistant to  
damage from  
moisture



Resistant to  
termite damage



Fire  
resistant



Impact  
resistant



Durable

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HardieFlex® NexGen™



**The real HardieFlex® NexGen™ fiber cement boards with MoldBlock™ Technology specifically engineered for Filipino homes.**



To know more about HardieFlex® NexGen™ fiber cement boards with MoldBlock™ Technology scan QR code or visit [www.jameshardie.com.ph](http://www.jameshardie.com.ph)



**HardieFlex®**  
**NEXGEN™**  
MOLDBLOCK™ TECHNOLOGY

