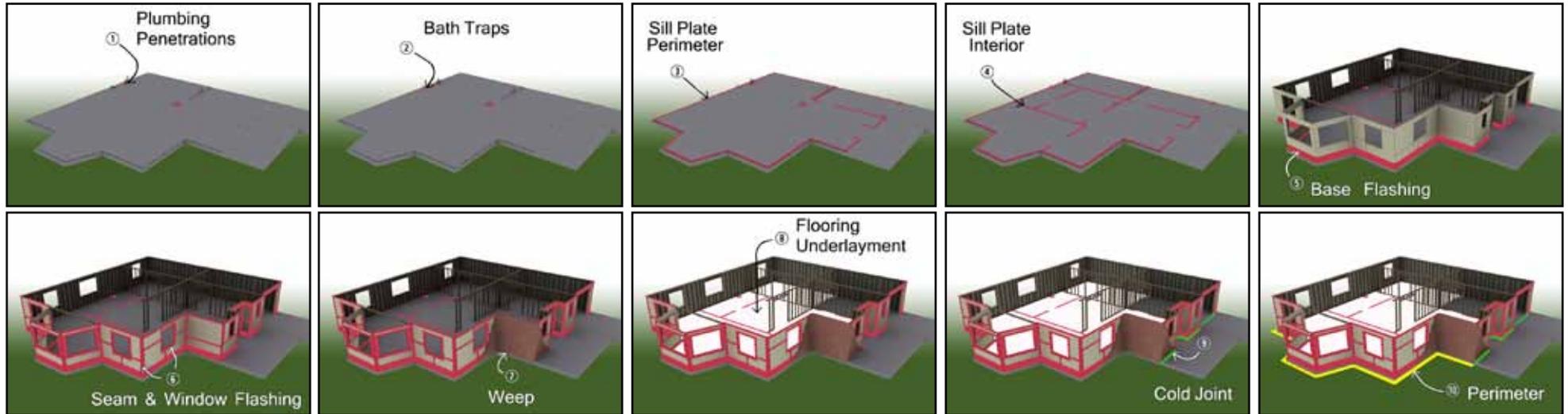


TERM[®] Sustainable Insect Barriers



Step by step guide - building to exclude insects and pests

Take your building envelope sustainability up a notch

With increasing sophistication of the building envelope, homes are better sealed against moisture and energy leaks.

Now you can add long term, non-chemical insect exclusion to your new home by using TERM[®] Sustainable Insect Barrier as the building envelope. TERM Barriers protect against moisture and energy leaks, plus provide a physical barrier, containing no pesticides, which is classified by the EPA as a "device". Because TERM is built in during construction, almost every insect entry point around the home will be blocked.

TERM Sustainable Insect Barriers were developed over 17 years of testing with entomology scientists at Texas A&M and other major universities. TERM Barriers have been developed by Polyguard Products, a manufacturer of waterproofing and energy saving products since 1952. Polyguard materials protect homes, hospitals, stadiums, office buildings, and other major structures across the country and around the world.



TERM Barrier's building envelope upgrade incorporates three types of barriers:

- **TERM Sealant Barrier** seals moisture out and saves energy. Additionally, it seals out subterranean termites and other insects, using a proprietary non-chemical formulation proven by long and short term laboratory and field university tests since 1999.
- **TERM Sealant Barrier** are highly specialized stone particles, of a size and shape proven by 60 years of U.S. and international testing to block passage by subterranean termites. This specialized stone termite barrier has been used since the 1980's in construction across the Pacific Rim, including Hawaii and Australia.
- **TERM Micromesh Barrier** are specialized screens. Screening around most structures today excludes many insects, but not smaller species. The most invasive and destructive insects, subterranean termites, require screen apertures no larger than 0.018" (1/55th inch).

Excluding underground insects requires 100% horizontal coverage with barriers

Non-chemical insect exclusion involves recognizing that ground level slabs or floors contain a multitude of entry points for insects coming from underground. Insect exclusion starts with 100% insect barrier coverage of the ground level horizontal surface, as well as underground walls. Almost all of these surfaces must be sealed. Other areas, generally limited to drainage or ventilation exclude insects using screen or particle barriers.

Excluding insects from aboveground entry requires attention to every joint, seam, crack, and crevice

Many sheathing materials are available which are resistant to penetration by insects and termites. If you design using one of these, the insect exclusion problem is reduced to protecting the many joints, seams, cracks, crevices, and penetrations.

Step by step – a home with slab on grade construction

The following section shows the sequence of construction for a TERM Barrier System with slab on grade. Graphics and photographic examples of each barrier are included.

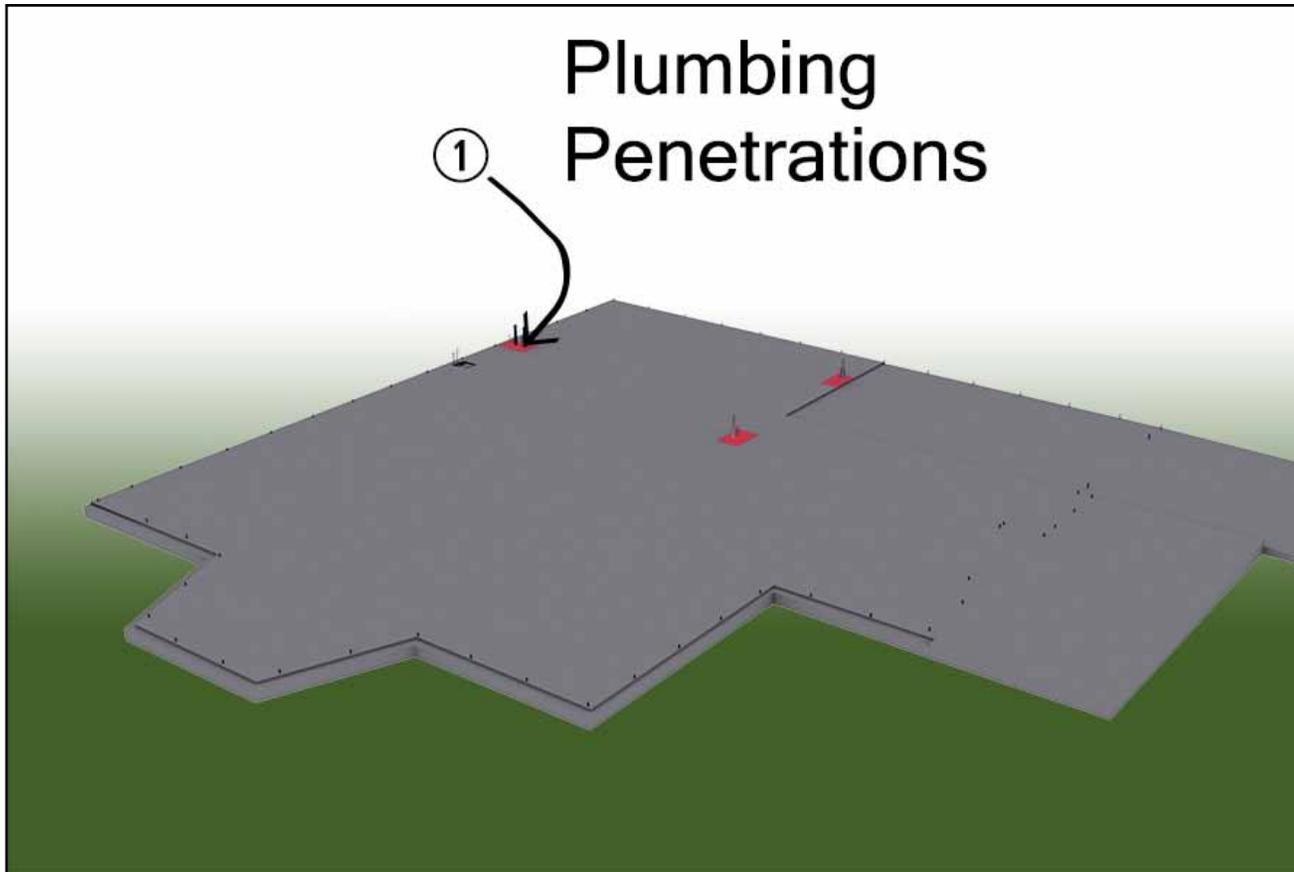
At the end of the TERM Barrier construction sequence, there is information showing:

What trade installs each barrier? Will construction be disrupted? How much training is needed?

TERM Barriers are designed to fit today's construction practices and trades, thus minimizing disruption. Several of the barriers will be installed by Pest Management Professionals. But for the most part, the trades who install TERM Barriers will be the same who install today's materials. And most TERM Barrier materials will be familiar to the installing trade, with no additional training needed.

TERM® Construction Sequence

1 - Seal Plumbing Penetrations



Hospital - Okemah OK



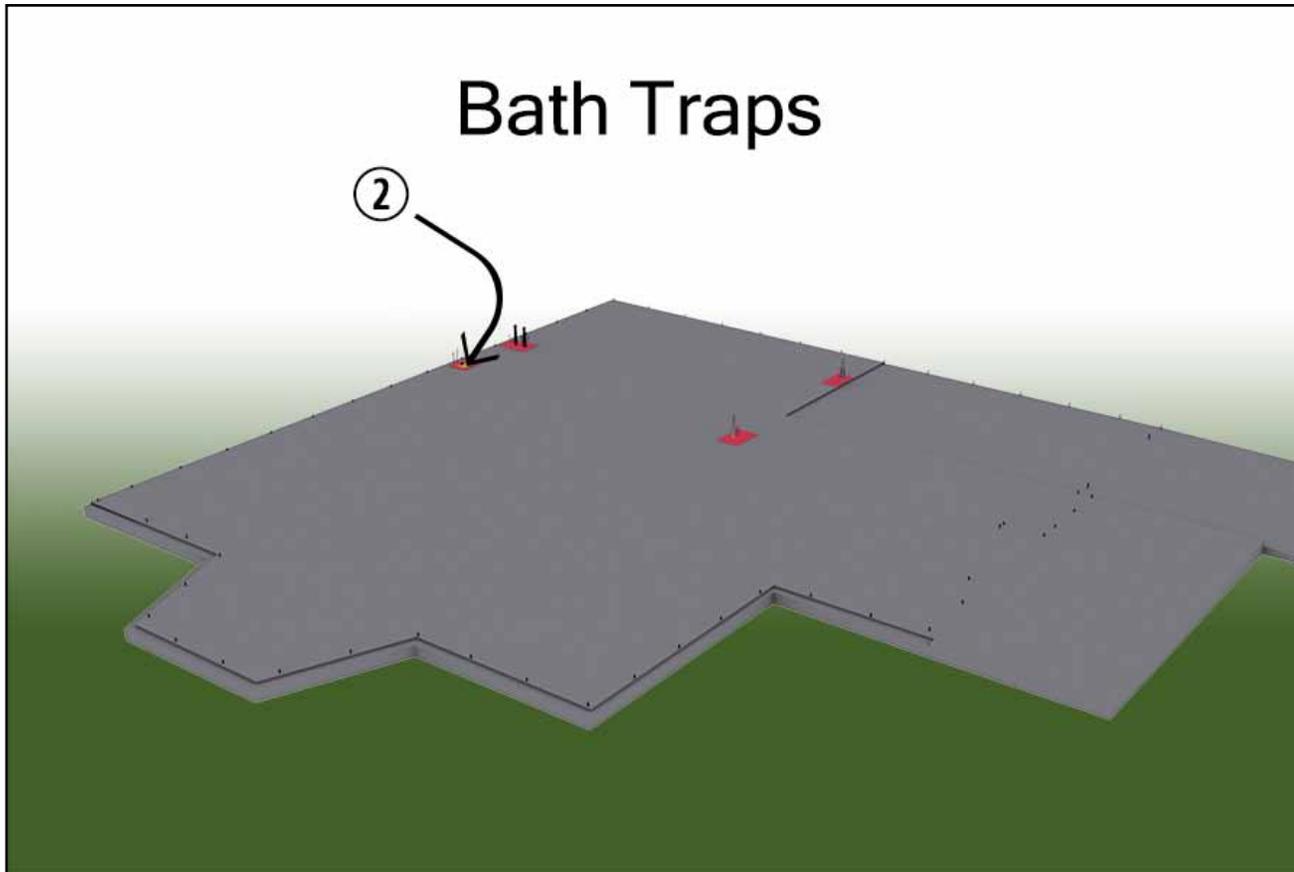
Bank - Austin TX

Seal plumbing penetrations after slab pour with TERM Sealant Barrier.

Slab penetrations are a major entry point for subterranean termites.

TERM[®] Construction Sequence

2 - Bath Trap Barrier - Partial / Full



Partial Barrier - Particle Barrier only
The New American Remodeled Home 2017
Orlando FL



Full - All Pest Bath Trap
Residence - Houston TX

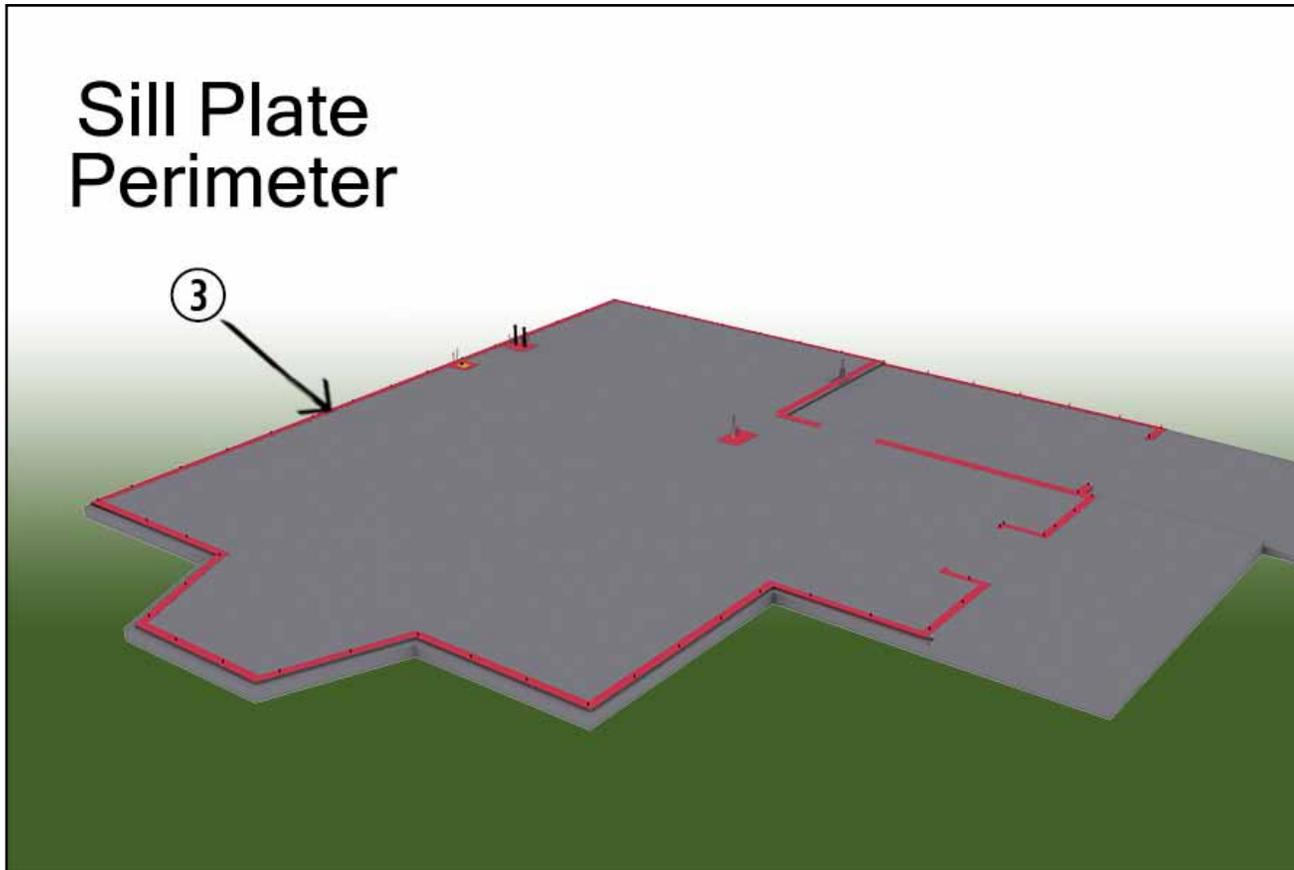
Bath Trap / Mop Sink options:

TERM Particle Barrier only - excludes subterranean termites

TERM All Pest Barrier + Particle Barrier - excludes virtually everything

TERM[®] Construction Sequence

3 - Sill Plate - Perimeter



Residence - Metairie LA



Residence - Decatur GA

TERM Sill Plate Barrier at perimeter-block subterranean termites from sill plate access

Also blocks moisture in concrete from the wood sill plate

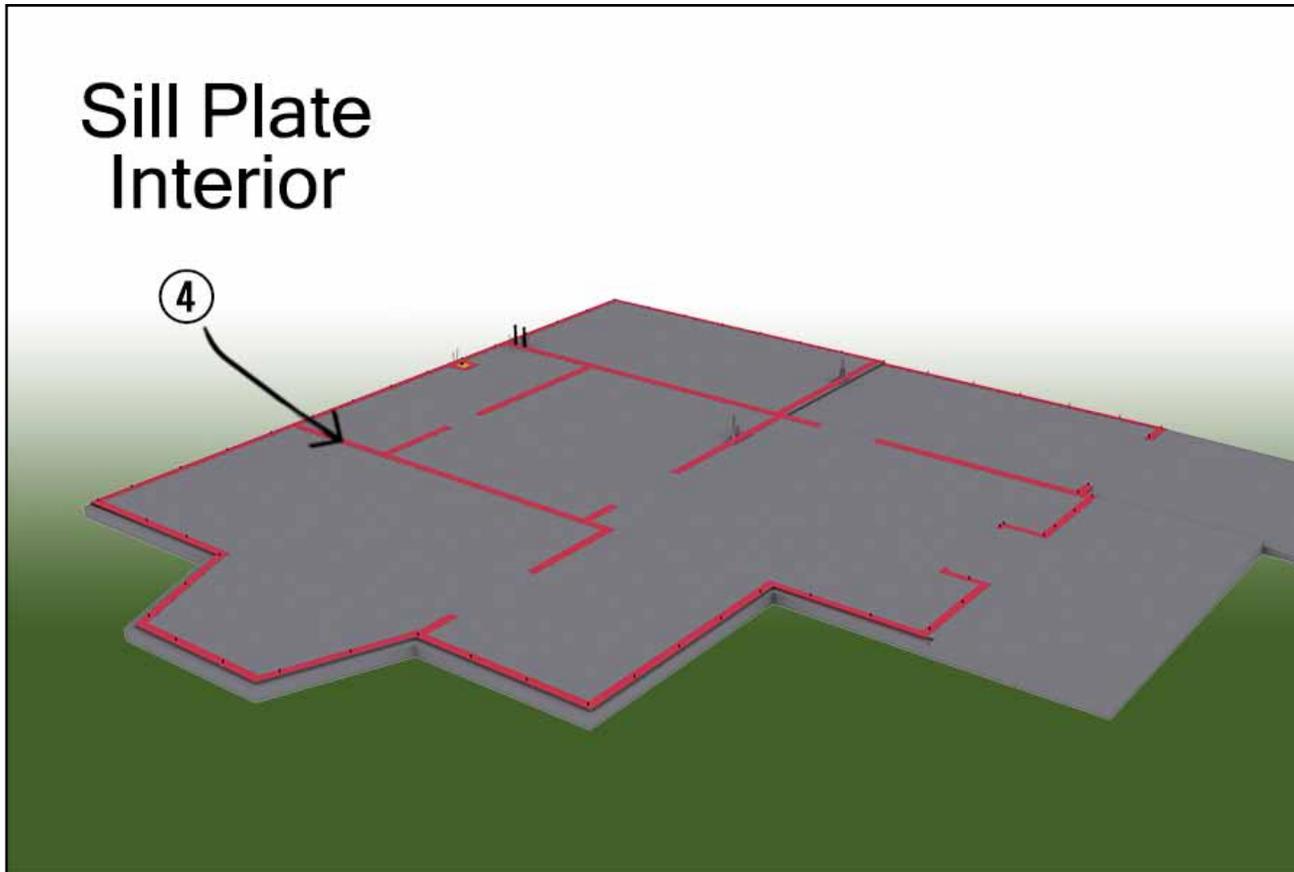
Ties into exterior flashing to: block energy leaks, block pest entry from exterior
(between uneven slab and sill underside)

[Links: TERM[®] Sill Plate Barrier Data Sheet](#)

[Sill Plate Barrier Guide Spec](#)

TERM® Construction Sequence

4 - Sill Plate - Interior



Residence - Decatur GA



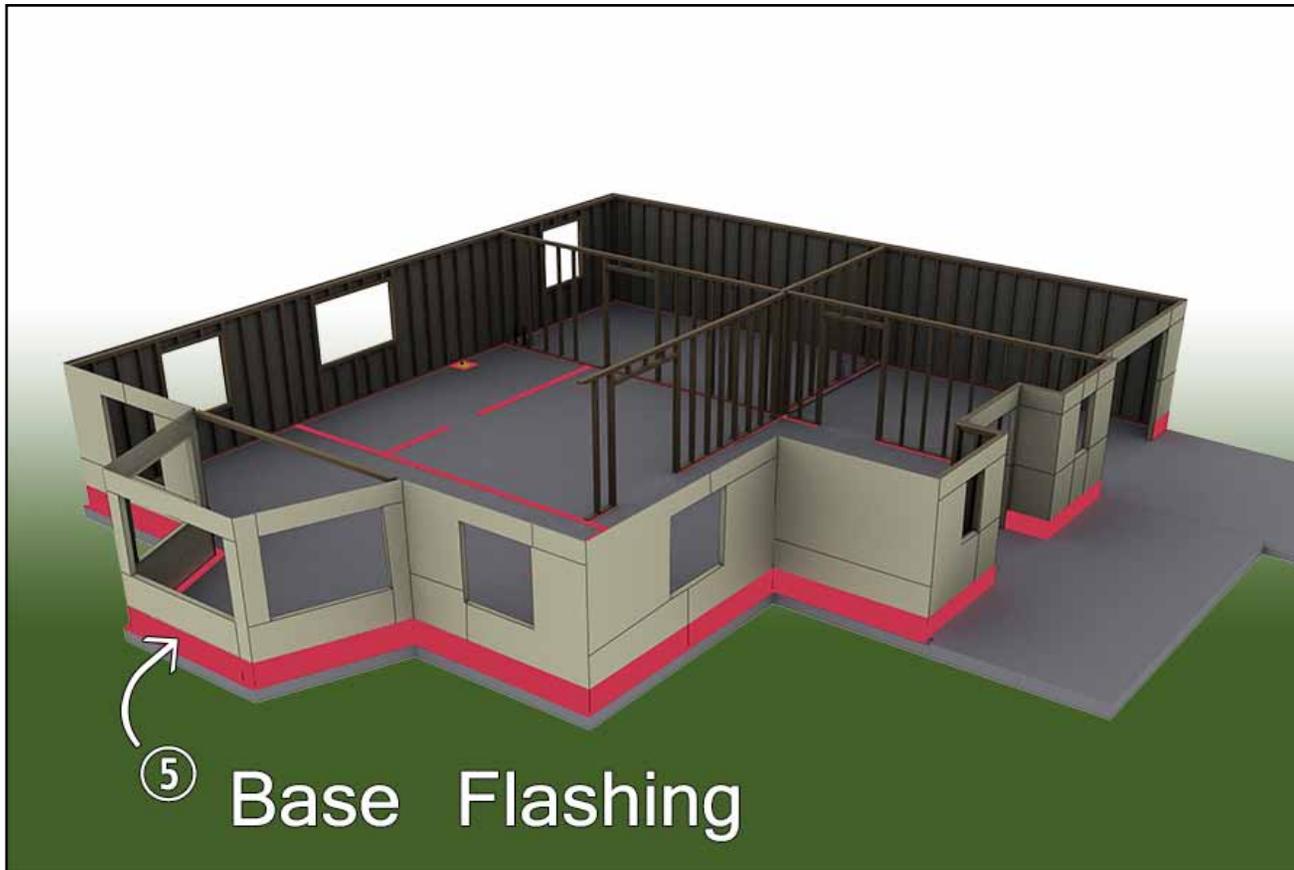
Residence - Metairie LA

TERM Sill Plate Barrier under interior sill plates - block entry of subterranean termites through cracks, joints, seams, and crevices in the slab

Also protects wood sill plates from moisture in concrete

TERM[®] Construction Sequence

5 - Base Flashing Barrier



Residence - Denton TX



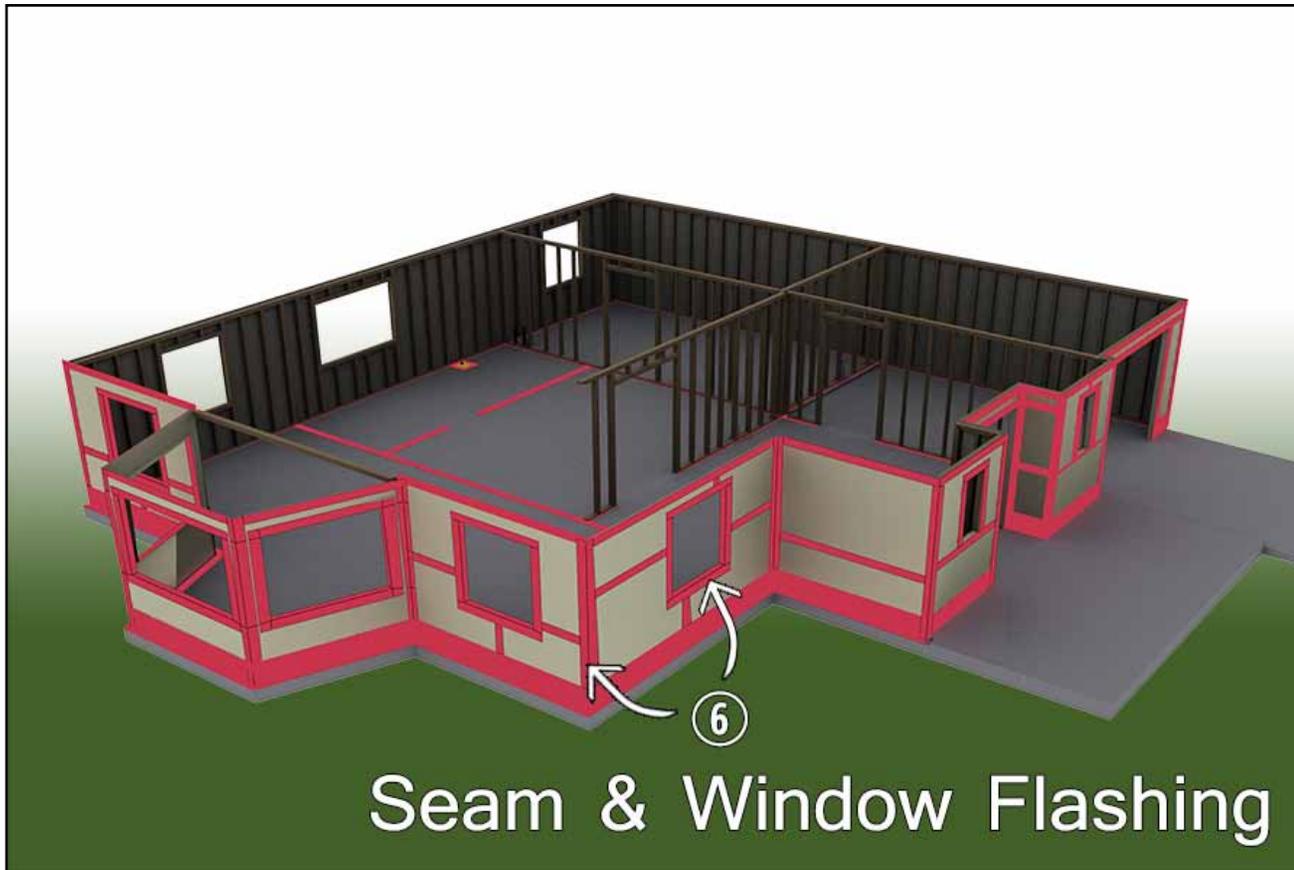
Residence - Metairie LA

TERM Flashing Barrier at base ties into TERM Sill Plate Barrier at perimeter to block entry of subterranean termites and other insects from entry through the exterior.

Also blocks energy leaks and moisture from the exterior.

TERM[®] Construction Sequence

6 - Seam & Window Flashing Barrier



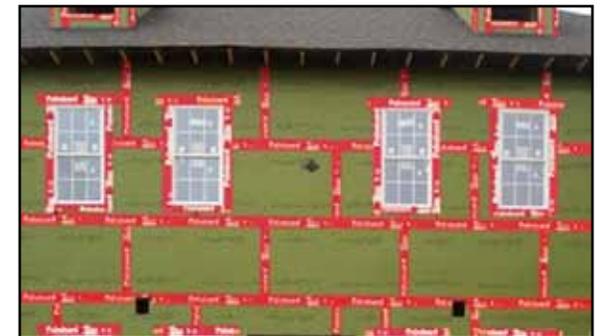
TERM Seam and Window Flashing Barrier blocks insects and subterranean termites from entry at these points

Also blocks entry of swarming termites (flying termites who fly seasonally in warm and wet weather to form new above ground colonies)

Links: [TERM[®] Seam and Window Barrier Data Sheet](#) [Seam and Window Flashing Guide Spec](#)



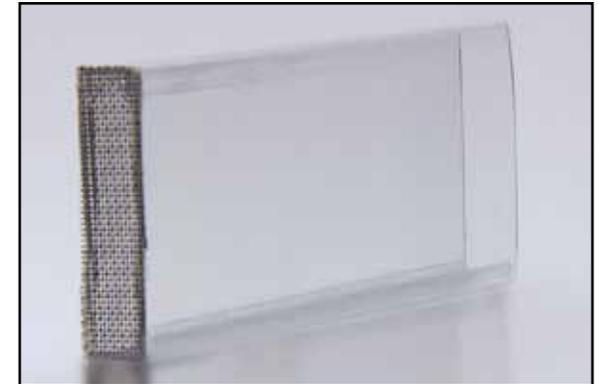
Seasonal termite swarming



Residence - Houston TX

TERM[®] Construction Sequence

7 - Masonry Weep and Vent Barrier



TERM[®] Masonry Weep and Vent Barrier

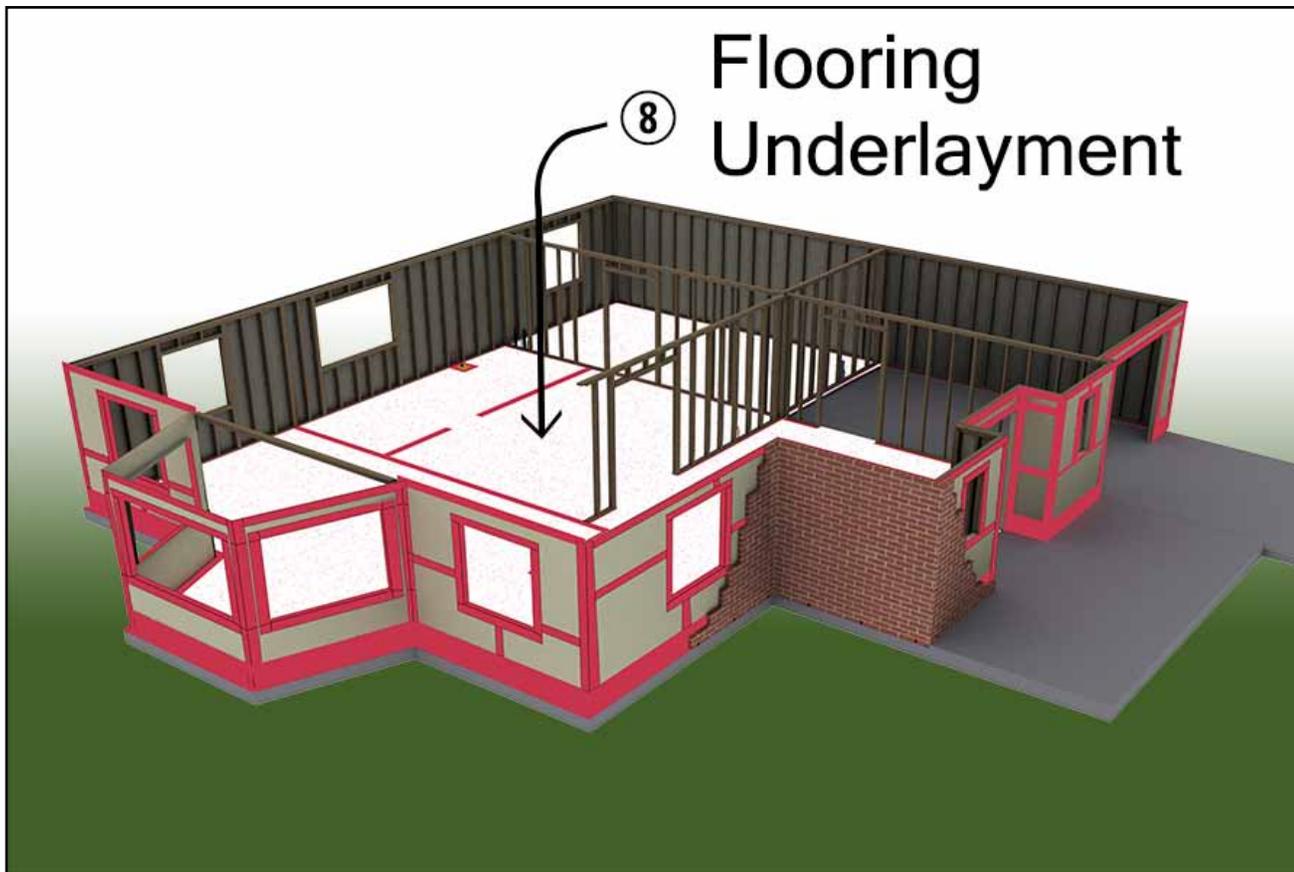


Residence - Ennis TX

Weep and vent holes in masonry construction typically incorporate screens which exclude many insects. TERM Weep and Vent Barrier incorporates screen with 0.018" apertures, the size needed to exclude subterranean termites

TERM® Construction Sequence

8 - Flooring Underlayment Barriers



Tile Underlayment Barrier installed
The New American Home 2017 - Orlando FL



Tile Floor installed over underlayment barrier
The New American Home 2017 - Orlando FL

Tile Flooring Underlayment Barrier

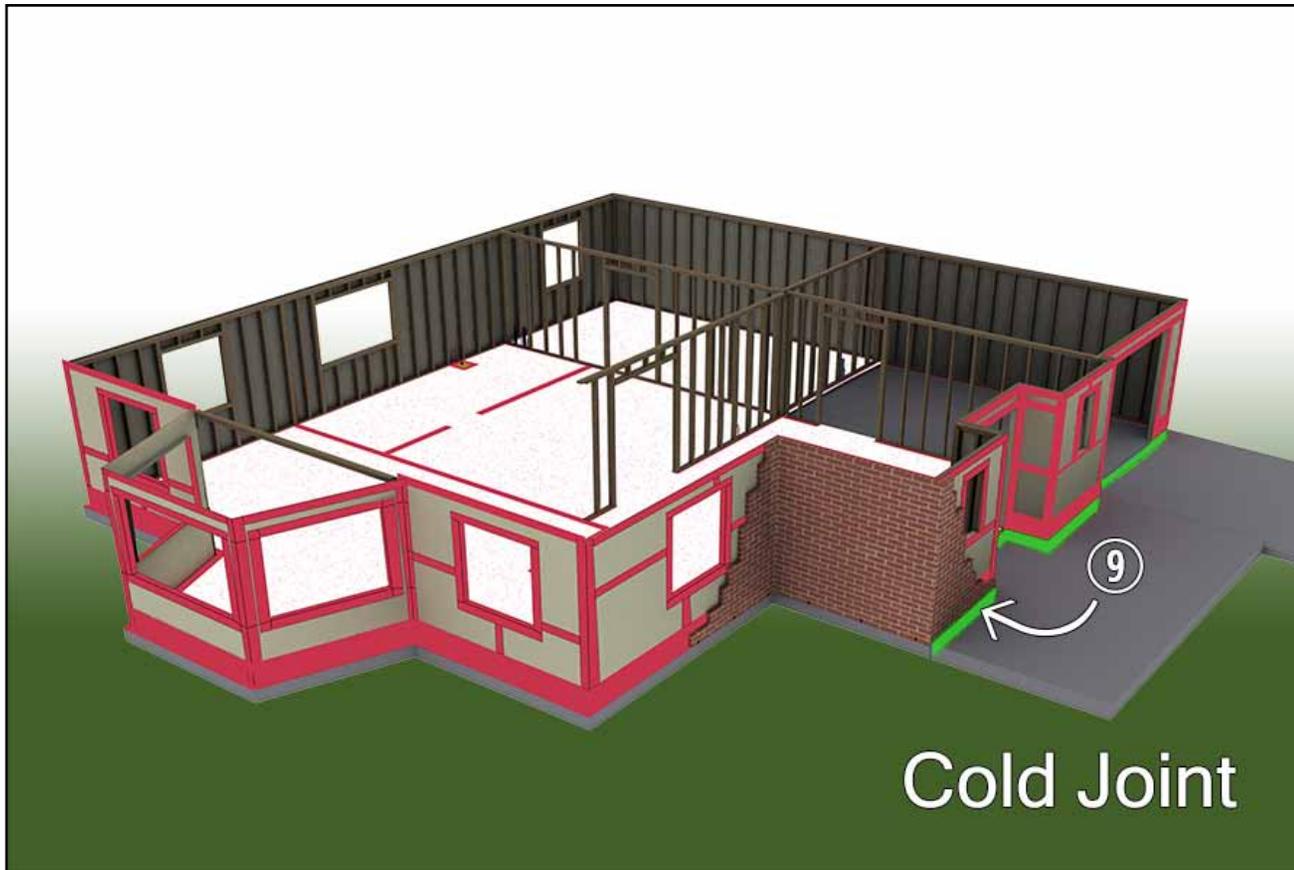
- Completes the 100% horizontal coverage against termite/insect entry through joints, cracks, etc.
- incorporates all other tile flooring properties (moisture barrier, anti-fracture, and sound deadening)

Wood or Laminate Floor Underlayment Barrier

- Incorporates moisture barrier and sound deadening. Sealant self-heals nail holes.

TERM[®] Construction Sequence

9 - Cold Joint / Isolation Joint Barrier



Cold joints (also called isolation joints) are non-moving joints between the structure's slab and exterior concrete. Examples are driveways, sidewalks, and patios.

TERM Isolation Joint Barrier seals the gap between interior and exterior slabs.

[Links:](#) TERM[®] Isolation Joint Barrier Data Sheet



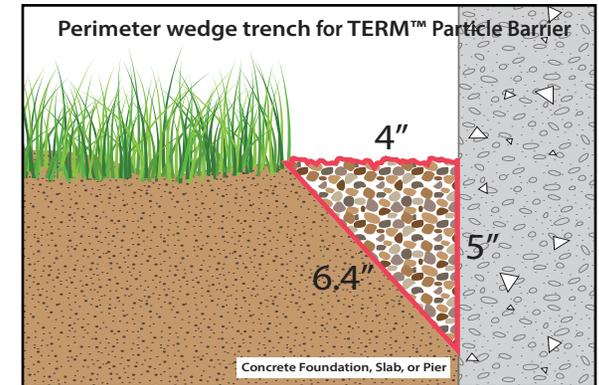
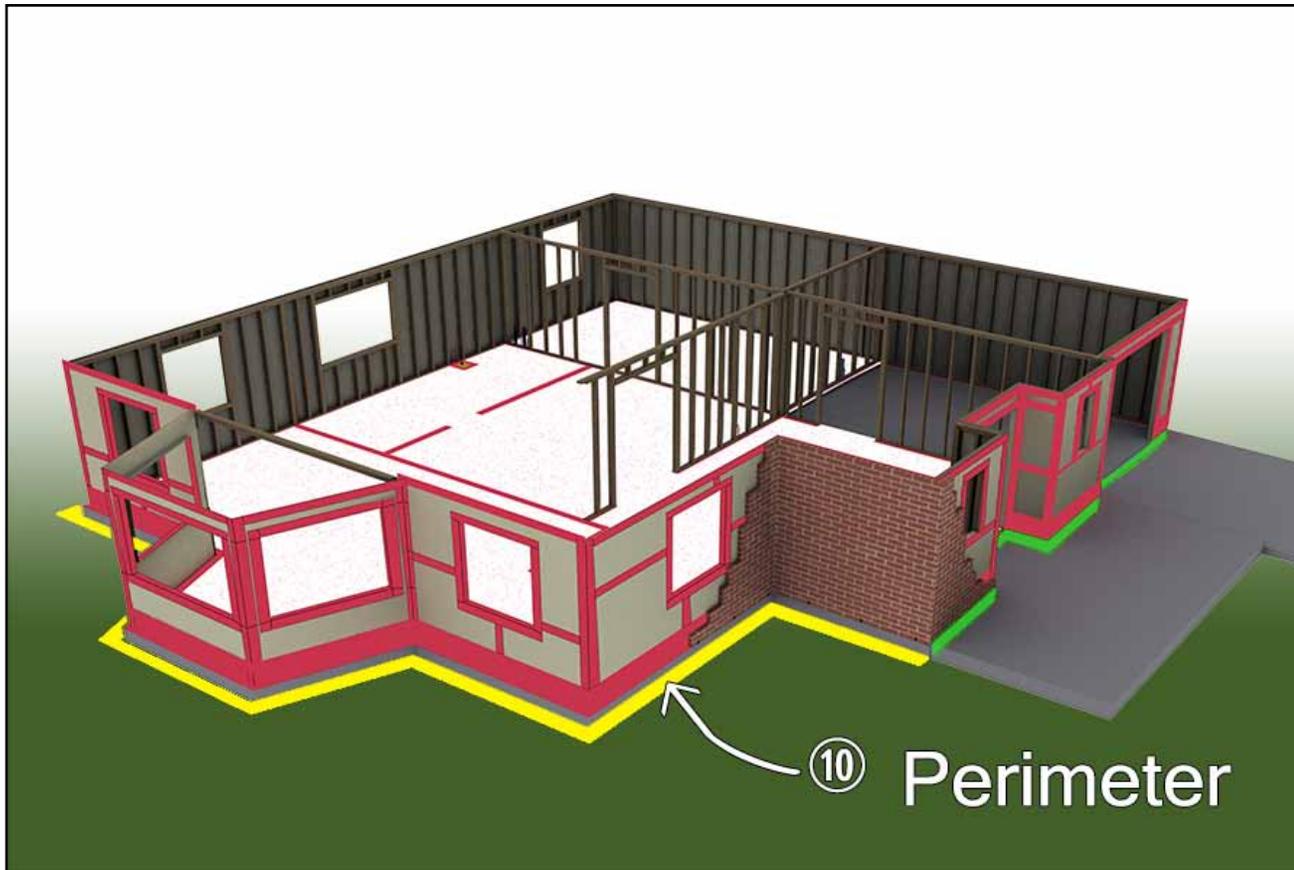
Isolation Joint Barrier shown before concrete work
The New American Home 2017 - Orlando FL



Isolation Joint Barrier shown after concrete work
and before form removal / landscaping
The New American Home 2017 - Orlando FL

TERM[®] Construction Sequence

10 - Particle Barrier at Exposed Concrete Perimeter



Install a 4" wide wedge shaped trench



Residence - Wylie TX

At exposed concrete perimeter areas TERM Particle Barrier blocks subterranean termites from building "mud tubes" up the exterior concrete face.

Particle Barrier must be inspected periodically and restored as necessary by Pest Management Professional. The barrier can be breached by pets, children playing, landscaping, construction activities, etc.

TERM Particle Barrier treatment can be applied to existing, as well as new structures.

TERM[®] Silver Barrier - Construction

Who? When? Training?

Construction Window		TERM Barrier Material	Location of Install	Normal Trade	Training Needed Notes
After	Before				
Slab Ready for Traffic	Framing (preferred) Drywall (possible)	TERM Sealant Barrier	Slab Penetrations	Pest Management Professional	Low
Slab Ready for Traffic	Bathtub	TERM Particle Barrier	Bath Traps and Mop Sinks	Pest Management Professional	Low
Slab Ready for Traffic	Perimeter framing	TERM Sill Plate Barrier - Perimeter	Perimeter framing	Pest Management Professional or Framers	Moderate
Perimeter framing	Interior Sill Plates	TERM Sill Plate - Interior	Interior framing	Framer	Low to Moderate
After rough plumbing	Bathtub	TERM All Pest Bath Trap Barrier	Bath Traps and Mop Sinks	Pest Management Professional	Moderate
After exterior sheathing	Window installation	TERM Flashing Barrier TERM Seam & Window Barrier	Base Flashing, sheathing seams, window openings	Framer	Low
During masonry	During masonry	TERM Weep and Vent Barrier	Weep / Vent Areas	Mason	Low
Interior ready for flooring	Before Flooring	TERM Tile Underlayment Barrier TERM Wood & Laminate Underlayment Barrier	Flooring	Flooring	Tile: Low where anti-fracture membrane is used Wood/Laminate: Moderate
--	Exterior concrete placement	TERM Isolation Barrier	Between exterior concrete (driveway, patio, sidewalks)	Concrete	Low to Moderate
Landscaping	--	TERM Particle Barrier	Exposed concrete perimeter	Pest Management Professional	Moderate



Polyguard[®]
Innovation based. Employee owned. Expect more.



Our Company - Our People

INNOVATION BASED - EMPLOYEE OWNED - EXPECT MORE

“Innovation Based” - we introduce innovative products. Products innovated by Polyguard represent almost 2/3 of our sales volume.

“Employee Owned” - 100% of Polyguard's stock is owned by its Employee Stock Ownership Plan (ESOP).

“Expect more” - when you talk to Polyguard, you are usually talking to an owner. Our employee owners have led Polyguard to 24 successive years of sales growth. Know of any business who can match 24 successive years?

Polyguard offers a wide range of barrier systems designed to seal your home from pests. Those include products for pre-construction as well as options for existing structures. Think of Polyguard as an innovator and manufacturer of barriers – not just barriers against moisture and corrosion, but against contaminants like radioactive radon gas and methane. No sick buildings here.

TERM Barrier products are built in during construction, blocking almost every insect entry point around the home. TERM Sustainable Insect Barriers were developed by Polyguard Products, a manufacturer of waterproofing and energy saving products since 1952. Polyguard materials protect homes, hospitals, stadiums, and other major structures across the country and around the world.

24 Consecutive years of sales growth | 47 years of building envelope barriers

214 - 515 - 5000
www.PolyguardBarriers.com