HYBRID BASE: FAKE NEWS??

WE'LL DISPEL THE MISCONCEPTIONS SO YOU CAN SUCCEED WITH HYBRID BASE

WINTER HARDSCAPE TRAINING 2024

Alliance™
QUALITY IS OUR STRENGTH

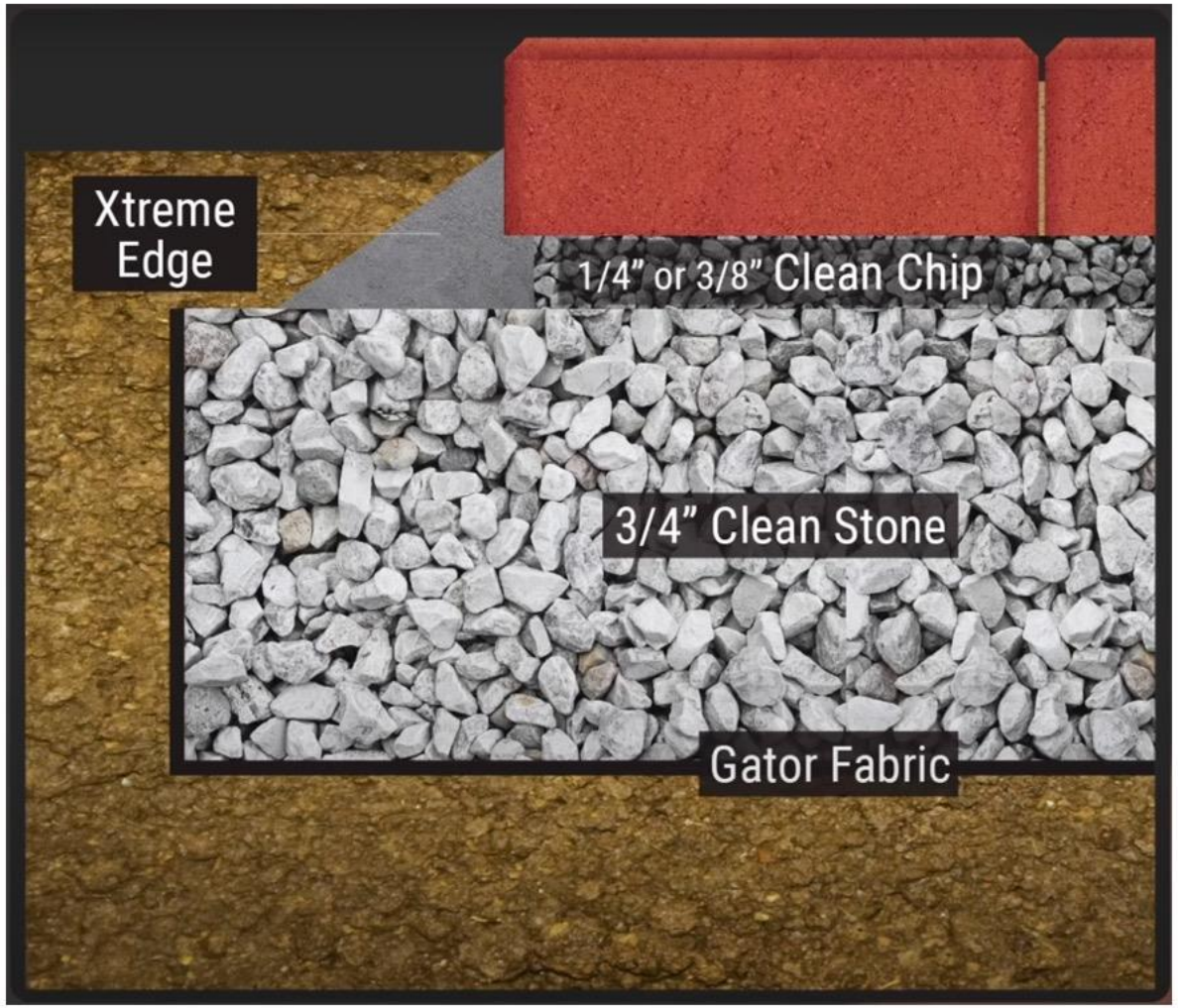
WELCOME

CHANGING TIMES

CONSIDERATIONS:

- Traditional aggregates = lots of fines = moisture issues
- Angular aggregates lock and mesh well
- Hybrid base is here to stay!

HYBRID BASE



HYBRID BASE KEY BENEFITS

FREE DRAINING

EASY INSTALLATION

EXTENDED SEASON

OVERALL EFFICIENCY

BASE & BEDDING

BASE

CHARACTERISTICS:

- Angular aggregates
- No fines!
- Needs to lock and mesh
- Clean ¾" stone or #57 stone

IS ¾" CLEAN STONE SELF-COMPACTING?

SELF-COMPACTING?

- 80% said **NO** in a recent poll we took
- They're correct!
- Clean stone requires **LESS** compaction, not no compaction
- Thicker lifts and faster consolidation

HYBRID BASE MYTH:
CLEAN STONE IS SELF COMPACTING

CHARACTERISTICS:

- Angular aggregates
- No fines!
- Needs to lock and mesh
- $^{3}/_{8}$" chip or #8 stone
- $^{1}/_{4}$" chip or #9 stone

#8 STONE:

- Largest pieces = $^{3}/_{8}$" in diameter
- Locks in
- Readily available

#9 STONE:

- Smaller pieces than #8
- Less void space
- Locks in
- Easier to screed and level
- Not as readily available
- More expensive

TOP CONSIDERATIONS WHEN WORKING WITH HYBRID BASE

TOP CONSIDERATIONS

WATER:

- Needs a way to evacuate
- Reasons for poor drainage:
  - Inadequate subsoil
  - Wrong fabric used
- Fixes: Exfiltration pipes, proper pitch, non-woven fabric

Bobcat
S595
Bobcat
S595

NON-WOVEN FABRIC

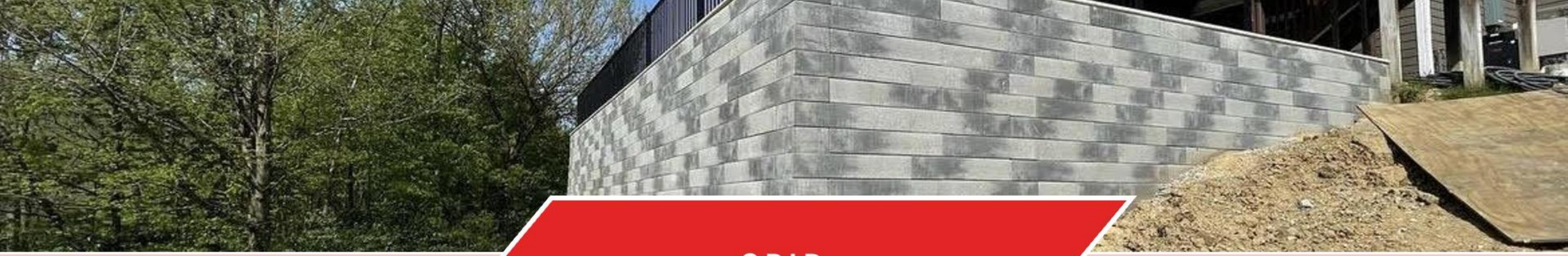
GF3.5 OR 4.4:

- Staircases, patios, walkways, small retaining walls, garden or landscaping covering
- Resistant to most soil chemicals
- Hydrophilic
- Convenient, easy to handle roll sizes

TOP CONSIDERATIONS

MOVEMENT:

- Fortify the base with grid
- Be sure to compact
- Lock in pavers with proper edge restraint
  - No plastic!
  - Aluminum or Xtreme Edge



GRID

GG30-30 OR 50-50:

- Raised patios, staircases, retaining walls, driveways
- Provides strength and stress transfer
- Prevents project failure
- Biaxial

HYBRID BASE + GEO-GRID:

ADD LATERAL SUPPORT

EDGE RESTRAINT

XTREME EDGE:

- 3D micro-fiber mesh
- Freeze/thaw resistant
- Better workability
- Versatile across application types

4X STRONGER THAN CONCRETE

XTREME EDGE

GATOR XTREME EDGE
XTREME EDGE
THE ULTIMATE FIBER-REINFORCED STRUCTURAL EDGE
XTREME EDGE
IDEAL FOR:
Traditional, open grouted and permeable applications
Overlay and Gator Base applications
Pedestrian and vehicular use
Concrete pavers, slabs, Natural and Wet cast stones applications
FEATURES:
Fiber-Reinforced for added strength and flexibility
Continuous lateral support
Freeze and Thaw Resistant
XTREME EDGE vs CONCRETE MIX
2X Faster setting time
Stronger and more flexible
Better workability
Alliance
50 lb

TOP CONSIDERATIONS

JOINT MATERIAL:

- Polymeric Sand = NO for #8 stone
  - Can drop through voids when compacted
  - Can form unsupported crust
- Polymeric Sand= YES for #9 stone
- **Gator Nitro is the BEST option**

HYBRID BASE INSTALLS:

MATCHING SETTING BED & JOINT MATERIAL

GATOR NITRO HIGHLIGHTS

TOP-TO-BOTTOM STRENGTH

INSTALL RAIN OR SHINE

PERMEABLE

FOR WIDER JOINTS

GATOR NITRO SAND
NEW
FOR RESIDENTIAL DRIVEWAYS
with interlocking concrete pavers
NITRO
JOINT SAND
IDEAL FOR
Residential and Commercial Pedestrian applications with
NEW Porcelain Tile with Gator Tile System
Natural Stone
Wetcast Stone
Concrete Pavers
FEATURES
Permeable*
Apply rain or shine
Strength from top to bottom **
25% More strength
25% Faster setting time
40 lb | 18.1 kg
GREY

Q&A

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QUALITY IS OUR STRENGTH