

# GEO MEMBRANES

WORLD'S PREMIER MULTI-LAYER  
CO-EXTRUSION ADVANCEMENT



# WELCOME TO TECHGROUND

## QUALITY, VALUE AND ENVIRONMENT AWARENESS

For over four decades TechGround has been at the forefront of geosynthetic solutions for the mining, agriculture, landfills, and energy generation industries. Today we are one of the world's leading geomembranes producers in quality and capacity.







# **RENOWNED GLOBAL SUPPLIER**

Our extensive range of high-quality products is manufactured to meet the highest environmental standards. TechGround, provides expert knowledge in all areas of geosynthetic applications.

[www.techground.com.br](http://www.techground.com.br)







# PROTECTING THE EARTH SAVING WATER

■ EXPERTISE ■ INNOVATION

Our company stands out in the market with a significant advantage, thanks to our advanced 3 and 7 layers co-extruders, utilization of the finest resins available, and a substantial industrial capacity. These factors have enabled us to develop an exceptional portfolio of geomembrane products, including cutting-edge gas barriers, conductive, and EXTRA durability geomembranes.



# PLANTS LOCATIONS

**TWO PRODUCTION PLANTS: CAPACITY TO DELIVER OVER 6,000 TONS MONTHLY WITH ADVANCED 3 and 7-LAYER CO-EXTRUSION TECHNOLOGY**



**290,000 sq ft**

## **VERDE BRASIL PLANT**

MANAUS, BRASIL



**753,000 sq ft**

## **AZUL PACK PLANT**

JACUTINGA, BRASIL



# UNMATCHED QUALITY, GLOBAL EXPERTISE

- 100% RESINS MADE IN THE US
- 3 AND 7 LAYERS EXTRUSION LINES
- SERVING 19 COUNTRIES

Unveiling Geomembranes  
Crafted with Dow resins and  
advanced additives



**DOW RESINS**



# PRODUCTS

## SMOOTH LINER

BLACK 3 AND 7 LAYERS CO-EXTRUSION  
**GM 13 | GM 17**

**HDPE**; high-density polyethylene geomembrane that meets or exceeds GRI-GM13.

**LLDPE**: linear low-density polyethylene that meets or exceeds the GRI-GM17 requirements. .

Thickness: 0,5mm to 3,00mm | 20 to 120 mils  
Width: 7 meters | 23 feet

**ENHANCED ANTI-UV AND  
ANTI-OXIDATION PROPERTIES,  
EXTRA ELONGATION**

**THE HIGHEST MULTIAXIAL  
TENSILE STRESS RESISTANCE**





# PRODUCTS

## CONDUCTIVE LINER

### BLACK 3 AND 7 LAYERS CO-EXTRUSION SMOOTH AND TEXTURED

TechGround's conductive geomembrane is an extremely specialized lining material utilized in a wide range of applications. It features a conductive layer that is intricately integrated into its structure. This distinctive integration allows the geomembrane to effectively conduct electrical charges, making it an ideal option for detecting any potential punctures, tears, cuts, or cracks in containment systems. In addition to its conductive properties, its structuring enhances impermeability and durability.

**Thickness: 0,75mm to 3,00mm | 30 to 120 mils**

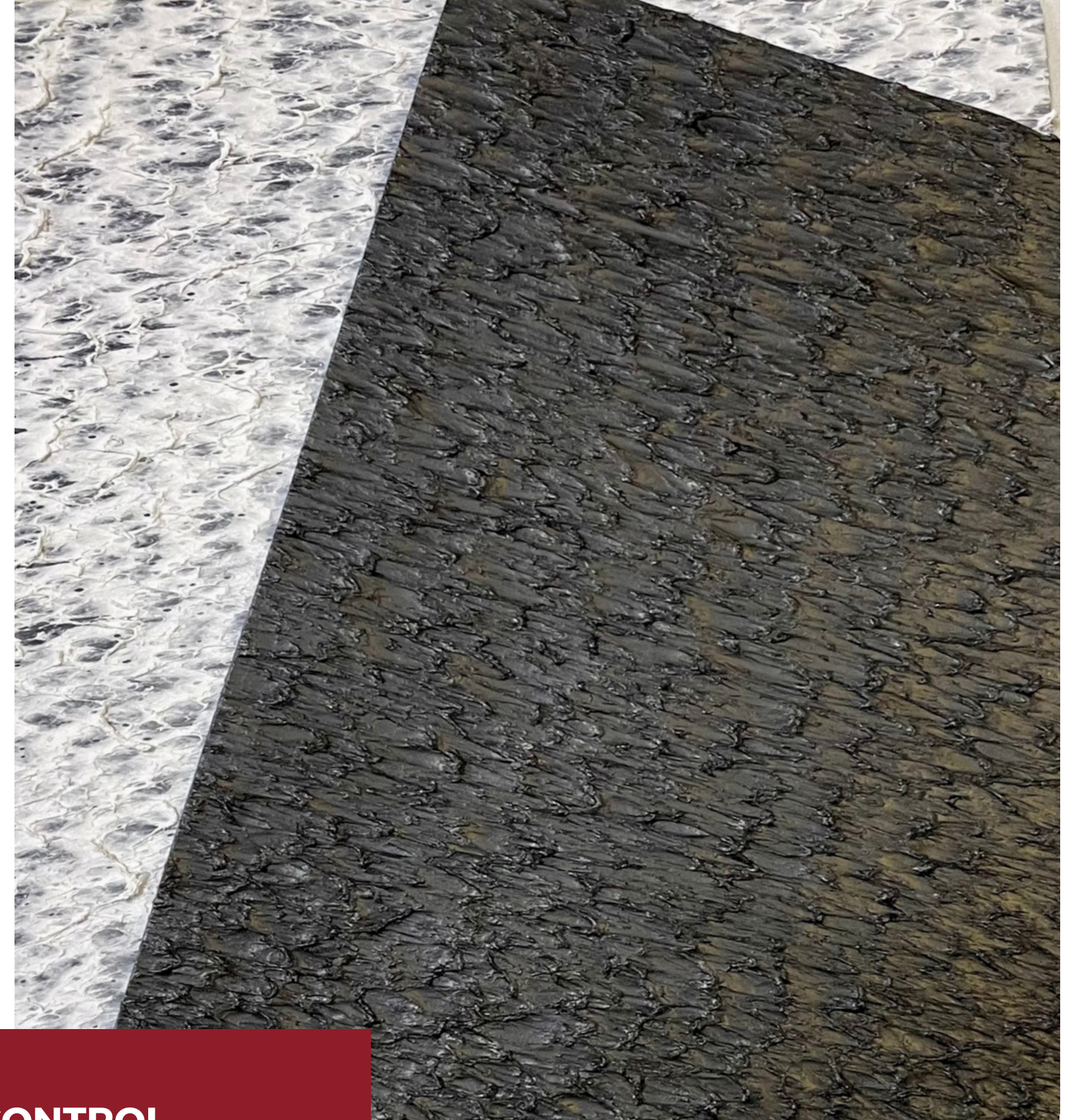
**Width: 7 meters | 23 feet**

#### ASTM D7240-18 TEST METHOD

Highly accurate awareness of potential punctures, cracks and breaches

#### QUALITY CONTROL

Improved quality control processes by removing the reliance on the human eye for breaches detection





# PRODUCTS

## TEXTURED LINER

BLACK 3 AND 7 LAYERS CO-EXTRUSION  
**GM 13 | GM 17**

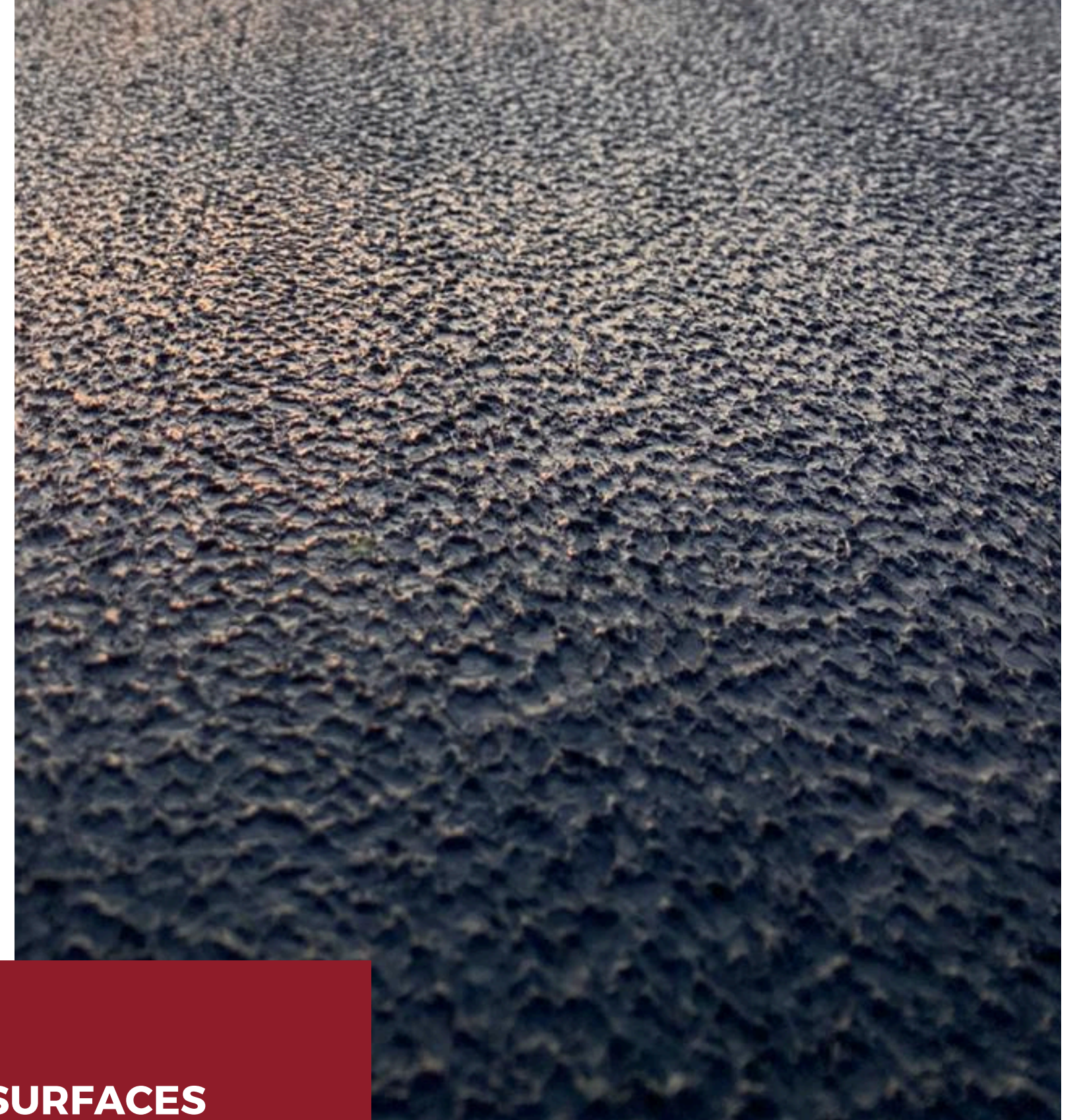
**HDPE**; high-density polyethylene geomembrane that meets or exceeds GRI-GM13 requirements. Increased friction angles for higher stability on steep slope applications.

**LLDPE**: linear low-density polyethylene that meets or exceeds the GRI-GM17 requirements.

Thickness: 0,5mm to 3,00mm | 20 to 120 mils  
Width: 7 meters | 23 feet

**HIGHER STABILITY ON STEEP  
SLOPE APPLICATIONS**

**TEXTURED SURFACES**





# PRODUCTS

## GAS BARRIER

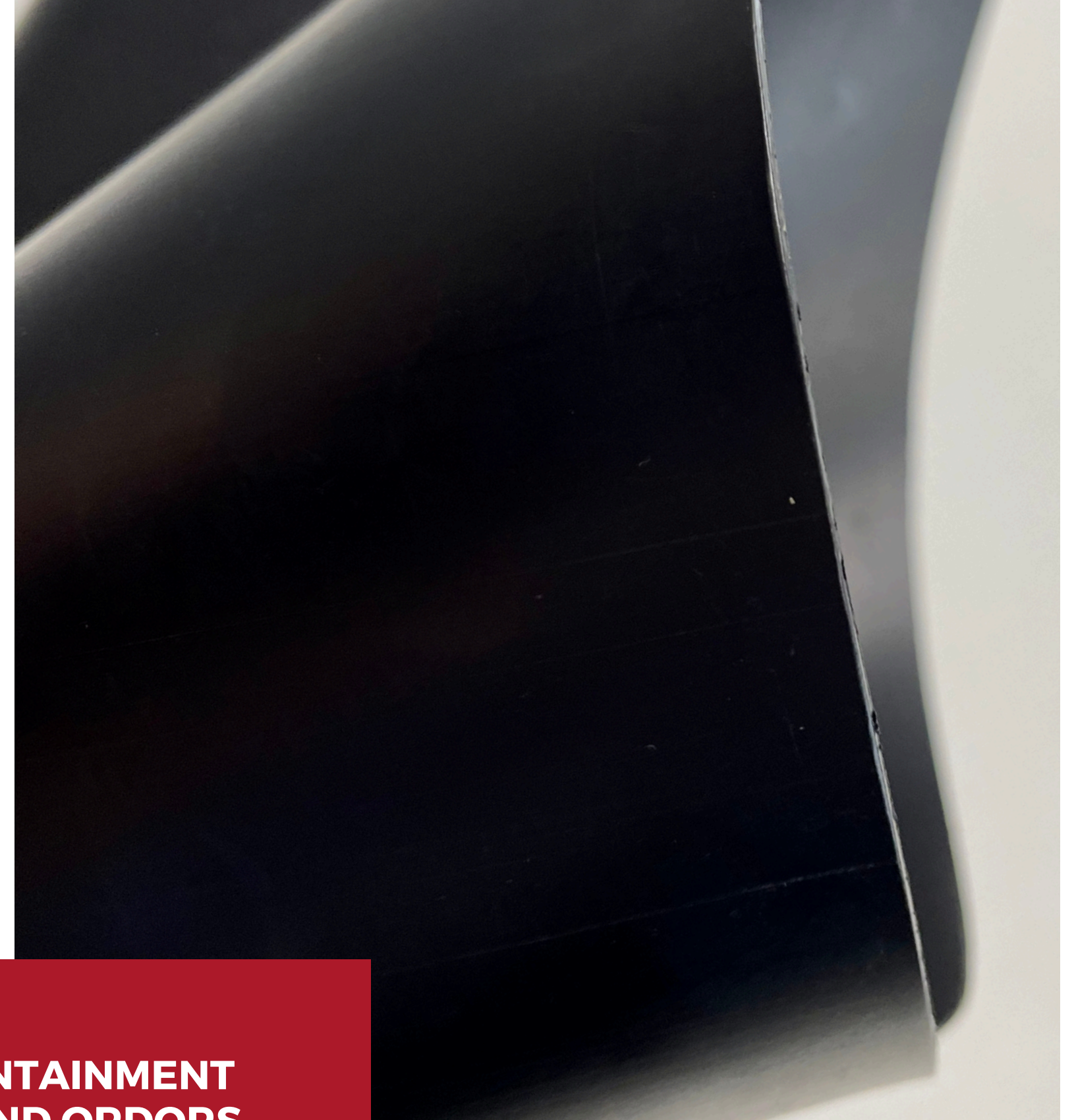
### BLACK 7 LAYERS CO-EXTRUSION

TechGround's Gas barrier line is carefully crafted to be the leading gas barrier in the industry. The incorporation of EVOH ethylene copolymer guarantees an unparalleled blockade against odors, methane, radon, and VOCs. Available in both HDPE and LLDPE, our barrier offers long-lasting protection against gases, thermal oxidation, and UV rays, while also providing enhanced flexibility and durability.

Thickness: 0,5mm to 3,00mm | 20 to 120 mils  
Width: 7 meters | 23 feet

**INNER CORE OF EVOH  
ETHYLENE COPOLYMER**

**THE BEST CONTAINMENT  
FOR GASES AND ORDORS**





# PRODUCTS

## BICOLOUR LINERS

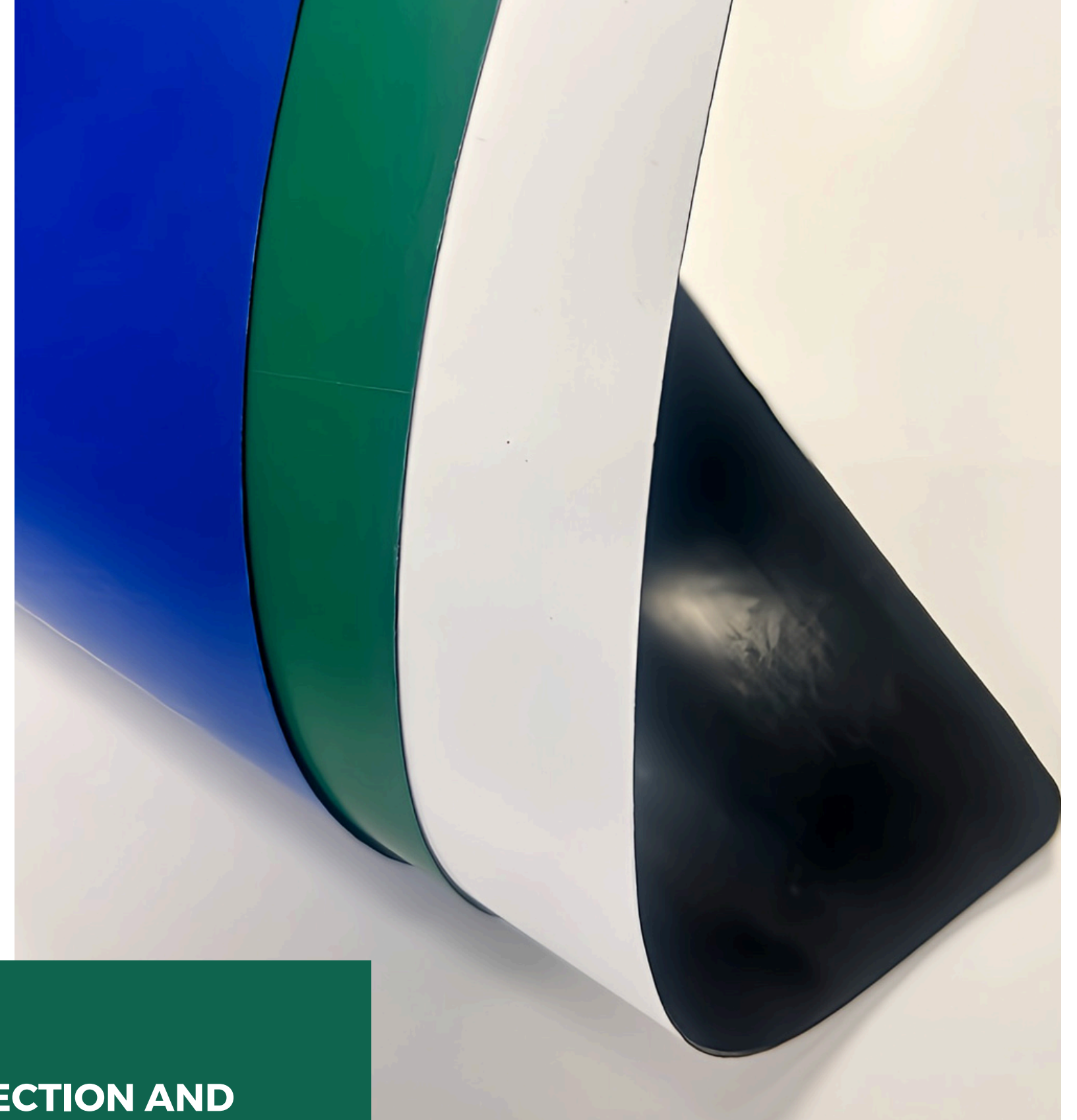
### BLACK 3 AND 7 LAYERS CO-EXTRUSION

Our HDPE and LLDPE two-tone liners are available in white, blue, or green with a black underside, making them the perfect choice for enhancing the aesthetics of structures and landscapes. They are especially well-suited for use in ornamental ponds and landscaping projects where a visually appealing liner is desired.

Thickness: 0,5mm to 3,00mm | 20 to 120 mils  
Width: 7 meters | 23 feet

**EXCELLENT FOR  
ORNAMENTAL COVERING**

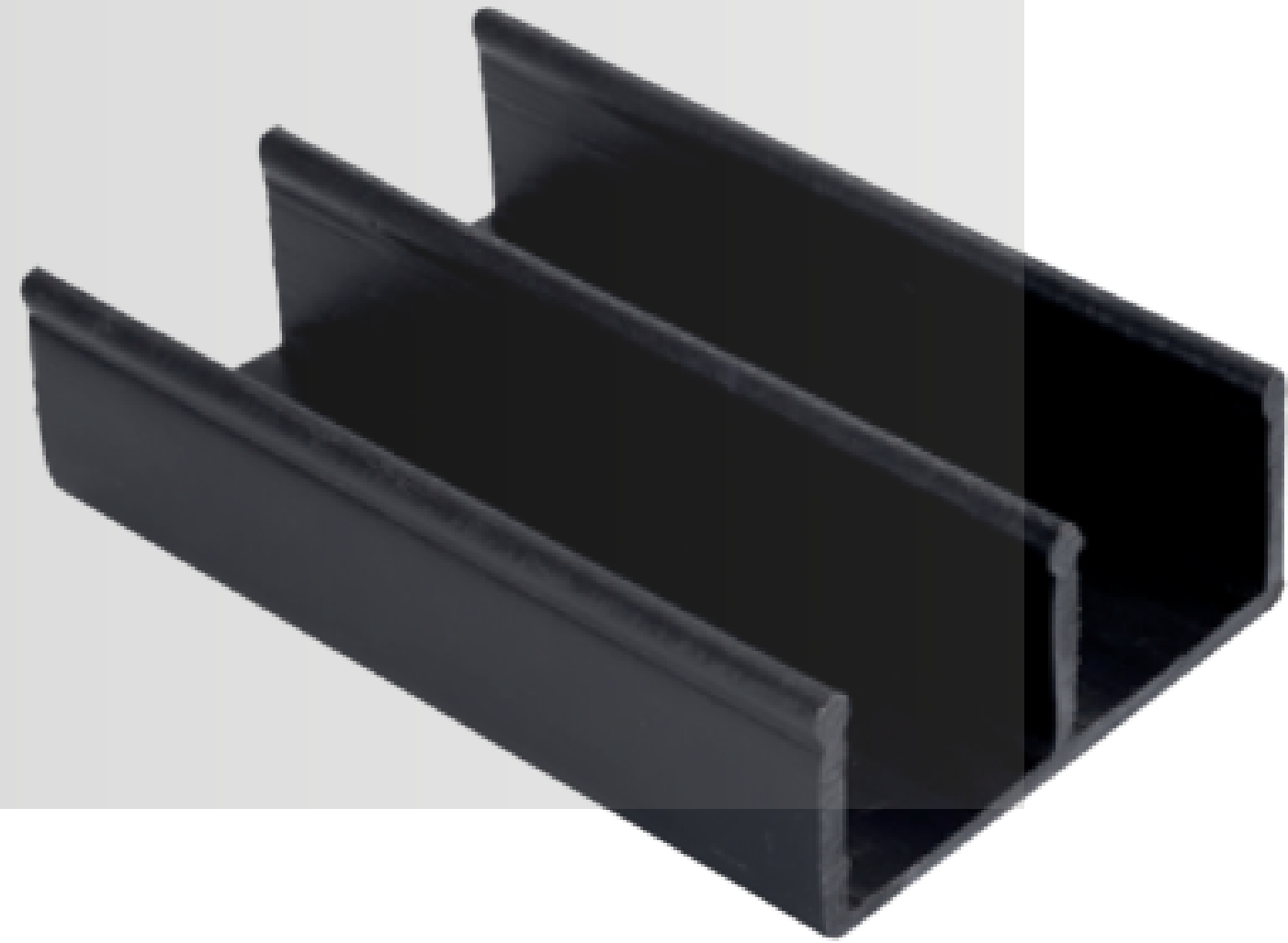
**EXTRA PROTECTION AND  
APPEARANCE**





# ACCESSORY PRODUCTS

PROFILE  
LLDPE | HDPE



WELDING ROD  
LLDPE | HDPE





# CERTIFICATIONS IN ASSOCIATION WITH

