

# FREQUENTLY ASKED QUESTIONS

## **How is 30 mil EPDM Integra Liner seamed or patched?**

As an EPDM liner, Integra Liner is seamed and patched the same as other EPDM liners. Common EPDM adhesives and appropriate EPDM seaming tapes/patches are sufficient to adequately seam or patch Integra Liner. Additionally, Integra Liner can be seamed to existing EPDM liner when expanding a pond or water feature providing that the existing material is cleaned and intact.

## **Is this liner fish safe?**

Integra Liner is safe for fish, plants and wildlife.

## **Can Integra Liner be used in a stream or other water features?**

Integra Liner can be used in a wide range of applications to contain water including streams, koi ponds, decorative water features, water gardens, rainwater containment and pondless water features. The flexible, durable, UV resistant nature of rubber liner makes it extremely versatile. A nonwoven geotextile underlayment is recommended to be used under Integra Liner.

## **How large of rocks can be placed on 30 mil Integra Liner?**

While Integra Liner is extremely flexible, additional protection and a substrate are recommended when larger rocks are used. A nonwoven geotextile fabric underlayment is recommended to be used under Integra Liner. To provide additional protection for large rocks, pieces of underlayment or extra pieces of liner can be placed on top of the liner under rock.

## **Will 30 mil EPDM Integra Liner get weak due to sunlight?**

Integra Liner is UV and ozone resistant. It maintains flexibility, strength and durability for decades of direct sunlight. Integra Liner 30 mil EPDM carries a 25 year warranty.

## **Why does 30 mil EPDM look and feel different than the other EPDM liners I am used to?**

The manufacturing process for Integra Liner is different than most EPDM liners. By producing a textile product after extrusion, there is no need to use powder of talc to keep the liner from sticking to itself. This means that the rubber is darker in appearance due to the lack of powder used on similar EPDM liners.

## **Do I need to use an underlayment with Integra Liner?**

In most applications an underlayment or non-woven geotextile fabric is recommended. This helps increase the puncture resistance of Integra Liner up to 300%.

## **What makes Integra Liner better than PVC liners?**

Integra Liner is a vulcanized EPDM rubber sheet. It maintains its elasticity in cold and hot temperatures. PVC can be stiff and difficult to install especially in extreme temperatures. This makes Integra Liners easier and more enjoyable to install as it conforms well to the surfaces it is placed against. Integra Liner is UV and ozone resistant with a life expectancy of between 25 and 50 years in pond and water feature applications. PVC has a life expectancy of between 5 and 10 years in pond application or less when exposed to direct UV light from the sun. Integra Liner can be seamed or patched with standard EPDM adhesive and tape without heat guns or expensive welding equipment to create a water tight seal.

## **Is this liner made in China?**

Integra Liner is not made in China. It is made in an ISO:9001 facility in Spain.

## **What sizes are available?**

Rolled sizes: 100' rolls in lengths in widths of 10', 15', 20', 25', and 30'

Pre-cut Boxed sizes: 10'x10', 10'x15', 15'x20', 20'x20', 20'x25' and 25'x25'

*Various additional roll widths and thicknesses are available with container load orders.*

## **How much does it cost?**

Integra Liner 30 mil EPDM rubber costs more than PVC but less than 45 mil rubber liner. Full bulk rolls are more economical than pre-cut Integra Liner. While it requires a higher initial investment than PVC liner, Integra Liner will install much easier and outpace the performance of PVC over the lifespan of the product.

## **How much does it weigh?**

Integra Liner 30 mil EPDM rubber weighs approximately 17 lbs per 100 square feet or .17 lbs per square foot.

## **How does it ship?**

Full rolls of Integra Liner ship by motor freight truck. Due to its lighter weight considerably larger pieces of pre-cut Integra Liner can be shipped via UPS or FedEx shipping than 45 mil EPDM liner.

# INTEGRA LINER USA