

**STONE TYPE**

Onyx

ORIGIN

Turkey

FINISH

Polished

GEOLOGICAL ERA

Tertiary

(2-65 million years ago)

SIZES

3/4" (2cm slab)

RECOMMENDED USES

Commercial & Residential

Interior

Wall

Fireplaces

Tub Surrounds

Vanities

Carmel onyx is quarried from a dyke quarry. This unique stone is found in a thin layer about three feet thick. The blocks are quarried horizontally in order to cut large cross-cut slabs. Onyx is a sedimentary stone that is formed from carbonate minerals that are dissolved when dolomite sediments or limestone come into contact with water that has been heated due to volcanic activity, aiding in the formation of the Onyx. The layers of dolomite and limestone sediments accumulate, resulting in bands of various colors. This is similar to the process that results in the formation of stalagmites and stalactites in caves. Onyx slabs have transparent tendencies and, when backlit, will allow light to pass through, illuminating the stone. Because it is one of the softer stones in the industry, careful maintenance is recommended. It is recommended to fabricate onyx when the material is cool. A warm or hot slab could crack when it comes into contact with water from the saw. Due to the qualities of this stone, the slabs are book-matched; meaning slab one and slab two will be cut and polished to create a mirror image of each other. These are then kept in sequence, which allows for a consistent flow in pattern. During the polishing process, an epoxy resin is applied to the surface of the slabs to fill in any natural pits, cracks or fissures that may exist in the stone. This does not affect the durability, maintenance or beauty of the slab. It is possible for some of the more minute pits that are too small to effectively hold the resin, to reopen during other finishing stages. However, this will not detract from the overall quality or appearance of the stone. Finally, a mesh backing is adhered to the stone. As a natural stone product it is recommended that it be sealed to extend its longevity.



NSF indicates this product conforms to the requirements of NSF/ANSI Standard 51, thereby meeting the health and sanitation requirements for materials used in areas of food preparation.