



Sistemi di impermeabilizzazione, deumidificazione, idrofugazione

↓ SISTEMA



TECHNOLOGY

CONCRETE

WATER AND GAS IMPERMEABLE CONCRETES AND STRUCTURES

MEMBRANE

GEOANTIRAD 2000

IGROTAC®
ISOTANK
VASCA STAGNA

**WATERTIGHT
CONCRETE
STRUCTURES**

Tecnos® azur

Polycarboxylate
Superplasticizer-SuperWaterReducingAgent

SHRINKO-tec®

Products and technologies for the reduction or elimination of the shrinkage in the mortars and concretes

STABIL-tec®

Technologies for micro-concretes and concretes with durable volumetric and physical - chemical stability in different conditions of ambient expositions and applications.

> **Best protection against radon** : according measurements by Pr Keller, university Saarland, the diffusion coefficient for radon through the membrane $D = 3.76 \times 10^{-11} \text{ m}^2/\text{s}$, while the diffusion length is 4.3 mm. One of the only materials declared : **radon tight**

Criterion for radon tightness : from the diffusion coefficient D the relaxation length R can be calculated as :

$R^2 = D/\lambda$ with λ the decay-constant for ²²²Radon : $2.1 \times 10^{-6} \text{ s}$

A material is considered radon tight as the thickness $> 3R$

> **Waterproof** : GEOANTIRAD 2000 can withstand several bar water pressure

> **GEOANTIRAD 2000** is **SELFHEALING** in case of puncture and in **OVERLAPS**. Unlike most of the anti-radon membranes on the market, radon will penetrate in case of puncture or badly applied overlap.

> **GEOANTIRAD 2000** is adhering mechanically with the freshly casted concrete in a long lasting bond.

technology