

Technical Data Sheet

RENOLIT QUELLMAX Plus

Bentonite waterstop joint to seal the penetration.

DESCRIPTION



RENOLIT QUELLMAX Plus is a swellable bentonite waterstop tape with an additional polymeric dispersion layer (the patented protective coating).
The product is made of a sodium-bentonite (a natural potter´s clay) embedded in a matrix of high molecular butyl rubber as well as special fillers and crystalline admixtures.
Bentonite has the property to quickly enlarge its volume through swelling, when it comes in contact with water. It features a strong, fast and reliable swelling performance.
The **RENOLIT** QUELLMAX Plus has the advantage to not react in contact with rain water or humidity during the installation, thanks to its protective coating.
To be activated, the **RENOLIT** QUELLMAX Plus need to be covered with fresh concrete because the pH level of the fresh concrete dissolves the protective coating.

APPLICATIONS

RENOLIT QUELLMAX Plus is designed to prevent water ingress through construction joints and around the penetrations in watertight concrete structures equipped with **RENOLIT** ALKORPRO fully-bonded system. The area of applications includes below ground concrete structures, water reservoirs, rainwater retention basins, waste water treatment plants and concrete structures.

REGULATIONS & STANDARDS

- ETA QUELLMAX 20/0262
- HYG Drinking Water Approval

STORAGE & HANDLING

The **RENOLIT QUELLMAX** waterstop is packed in cardboard box and should be stored off the ground, in dry conditions which are free from frost.

Code	Description	Packaging
75000027	**RENOLIT** QUELLMAX Plus Bentonite joint to install in construction joint, around the pipe penetrations and pile caps in concrete structure. Dimension: 18 mm x 24 mm	30 m per box 900 m per pallet
75000028	Fitting rail for **RENOLIT** QUELLMAX Plus Steel rail used to fasten the **RENOLIT** QUELLMAX Plus on the support. Dimension: 20 mm x 1 m	30 m per box

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RENOLIT
Rely on it.

2021-06

RENOLIT ALKORPRO
Fully bonded membrane

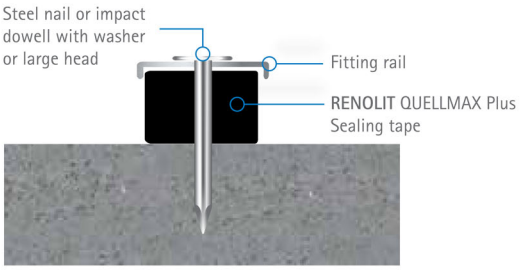


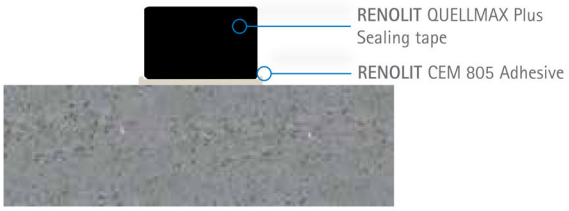
ESSENTIAL FEATURES

Properties	Test standard	Units	Performance
Specific weight	ETA-20/0262	g/m	760
Colour	ETA-20/0262	-	Black/Dark grey
Swelling behavior in deionized water	ETA-20/0262 13 days - 23°C	%	420
Swelling behavior in alkaline solution	ETA-20/0262 13 days - 23°C	%	425
Swelling behavior in acid solution	ETA-20/0262 13 days - 23°C	%	177
Swelling pressure	ETA-20/0262	N/mm²	0,5
Watertightness in construction joint condition	ETA-20/0262	Bar	3
Toxicity	ETA-20/0262	-	Non-hazardous category material

INSTALLATION

As a general rule, the surface onto which **RENOLIT** QUELLMAX Plus is to be placed should be dry, clean and flat. The swellable **RENOLIT** QUELLMAX Plus must have perfect and continuous contact to the support (no void is permitted). To fasten the **RENOLIT** QUELLMAX Plus you can either use **RENOLIT** QUELLMAX fitting rails and steel nails or **RENOLIT** CEM 805 Mastic glue. The **RENOLIT** QUELLMAX Plus tape need to be laid in the middle of the wall. There should be a minimum of 80 mm of concrete covering all sides of the **RENOLIT** QUELLMAX Waterstop.





These data are statistic figures according to Harmonized European Standards. This document cancels and replaces any other document previously published. In order to improve his products, the manufacturer reserves the right to change them without prior notice.

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