NEOJOINT

By Neoferma Australia

What is Neojoint ?

- **Neojoint** comprises a twofold system with each of the elements enhancing the inherent waterproofing properties of the other. These two elements include sodium bentonite and Neoferma, an EPDM rubber compression seal.

Neoferma

- The Neoferma gasket is an extremely flexible hollow rubber section terminating in individual ribs. Neoferma is easily compressed and maintains close contact with concrete, steel or timber surfaces ensuring complete sealing of the joint. Unlike traditional sealants Neoferma does not require a primer or bonding agent and can be installed into a wet joint thus reducing the affect of de bonding and joint failure and also reducing construction time.

Bentonite

- Bentonite is a clay mineral which is largely composed of montmorillonite, which is mainly a hydrous aluminum silicate. It is a highly colloidal and plastic clay with the unique characteristic of swelling to several times its original volume when placed in water. Sodium Bentonite is noted for its affinity for water which gives it tremendous selling properties. High quality Bentonite has the ability to swell up to 15 times its dry volume.

The Neojoint System

- In the event that water seeps into the joint either from sub-structure sources or from above, by bypassing the Neoferma compression seal, it will come into contact with the sodium bentonite. As the sodium bentonite hydrates it expands and exerts considerable pressure on the Neoferma compression seal. This pressure forces the lateral fins on the Neoferma to increase and strengthen the surface contact with the walls of the joint effectively tightening the seal. Once hydrated, to the extent possible under the constraint of the Neoferma, the sodium bentonite itself becomes an impervious barrier. Thus, each of the two elements have maximised their respective waterproofing properties to realise a joint seal that is secure and permanent.
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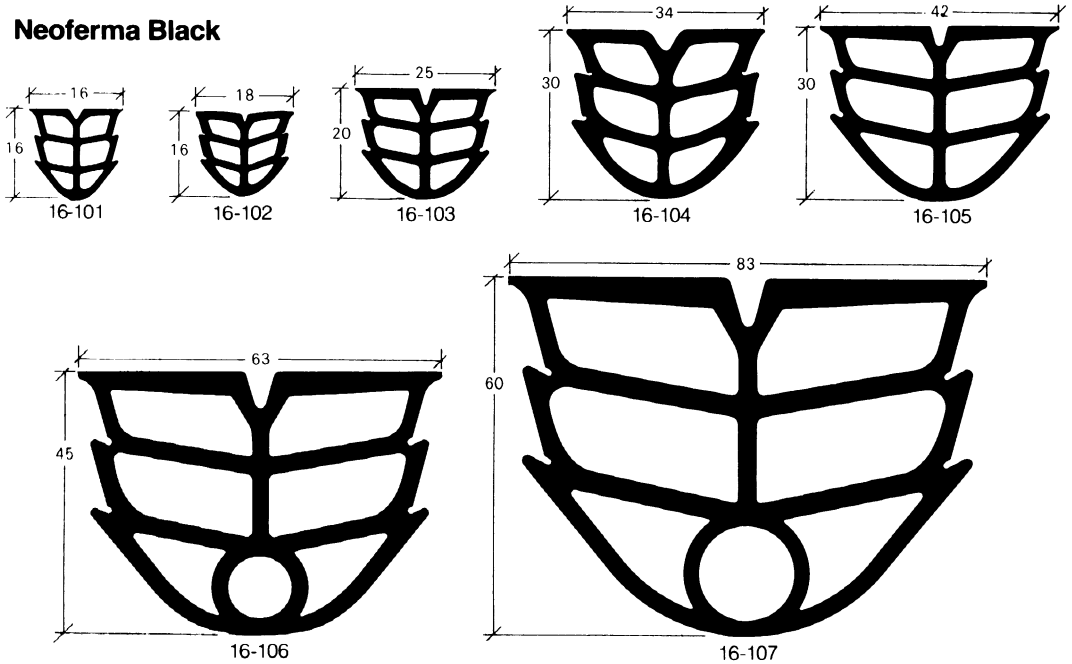
Where can I use Neojoint

- General construction / expansion joints
- Service station forecourts
- Chemical factory precincts and loading hardstands
- Swimming pools
- Reservoirs
- Mining evaporation ponds
- Sub-watertable constructions
- Dam Wall Expansion Joints
- Fuel farms etc

Projects

Sizes

Neoferma Black



Specifications

Profile number	Width mm	Depth mm	Total movement when installed in optimum gap mm	Joint movement: Maximum compression mm	Optimum gap mm	Maximum expansion mm	Minimum gap depth mm	Approx. weight in kilos per metre	Length of coils in metres
16-101	16	16	± 2	7	**9**	11	25	0·115	50
16-102	18	16	± 3	8	**11**	14	25	0·142	50
16-103	25	20	± 4	11	**15**	19	30	0·238	50
16-104	34	30	± 5	15	**20**	25	40	0·450	25
16-105	42	30	± 6	19	**25**	31	45	0·473	25
16-106	63	45	±10	25	**35**	45	70	1·031	25
16-107	83	60	±15	31	**45**	60	90	1·748	25