

CCI NEOSEAL PU

Polyurethane-based Building and Expansion Joint Sealant

Description

CCI Neoseal PU is a high performance, single component, moisture curing, polyurethane sealant ideally suited for several construction applications in horizontal (self-leveling, type-S) and for Vertical construction (non-sag, type –NS).

Domains of Application

- ✓ Various joint sealing of concrete structures
- ✓ Repairing of cracks
- ✓ Joint sealing of roads and factory floors
- ✓ Metal frame circumference sealing
- ✓ Sealing waterproof
- ✓ Caulking agent

Advantages

- ✓ Quick initial cure to minimize down time
- ✓ Resistant to wide range of chemicals, water, U.V. oils and solvent
- ✓ Used as a joint sealing compound on expansion joints
- ✓ Excellent tensile strength and elongation
- ✓ Strong adhesion and strong expansion capacity
- ✓ Excellent weather resistance
- ✓ Environmentally non-toxic
- ✓ Non-staining and Economical.

Typical Properties

Form	Paste
Specific Gravity @ 30°C	1.4± 0.1
Curing method	Moisture cure
Tack free time, ASTM C679, hours	~ 6
Full cure, days	7
Joint movement accommodation, %	± 25
Hardness, Shore A, ASTM D2240	~ 6
Elongation, %, ASTM D412, %	> 500

Application Instructions

Method of Application

Joint Design

The maximum permanent expansion must not be more than ± 25% of the joint width. For joints below 12 mm width the permanent joint movement must not be more than ± 20%.

Joint Preparation

Pretreatment

The product should be applied to a dust-free concrete surface. Incision. Please use a knife to cut off the corresponding part of the front end of the plastic nozzle, then pierce the film with a thin wire. And shake around the hole, please do not pierce repeatedly, otherwise it will make the film scraps mixed into the squeeze out of the plastic, affecting the construction quality.

Conservation and curing

To ensure the adhesion of polyurethane sealant, please ensure enough conservation and conservation time. It will take no more than 24 hours for sealant surface hardening after construction. You can get on the next concrete pouring when the sealant surface hardening completely reaches the touch dry.

Treatment after soaking

If it takes a long time from the construction of polyurethane sealant to the next pouring concrete, please pay attention to protect the sealant from soaking. If it is unlucky to be soaked and peeled off, you must repair it before pouring.

The specific method of operation is: first use nails to fix the peeled sealant, remove the stagnant water, then remove the peeled sealant, and re-construction at last.

Construction notes

Due to the swelling pressure created during expansion, it must be installed at a minimum of 100 mm (4") from each side of the joint. In addition, if you need to extrude the sealant in different times, its lap length should be not less than 20 mm (1").

Packaging

300 mL, 600 mL sausage.

Shelf life

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C.

Precautions

CCI Neoseal PU should be preferably stored in sealed conventional containers, protected from extreme weather conditions.

Clean all tools and application equipment with solvent before it set. Clean immediately after use. Hardened/cured material can only be mechanically removed.

Health & Safety

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on www.ccichemicals.in or contact us at info@ccichemicals.in.

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