

ConFlex PU 600

Single Component Elastomeric, Modified Polyurethane Joint Sealant

DESCRIPTION

ConFlex PU 600 is a single part gun graded moisture curing low modulus polyurethane joint sealant which cures by reaction with moisture to a soft elastic product.

ConFlex PU 600 has excellent primer less adhesion to a wide range of common building joints. Coupled with high levels of flexibility, it is ideal for glazing or construction joints as well as being highly resistant to weather conditions, UV exposure and pollution.

USES

- It's used in filling construction and expansion joints in concrete structures, like bridges, floors & roofs.
- Used in all types of residential, commercial & industrial building joints.
- Used in joints of windows, doors, ducting system, especially for clean rooms.
- It's used in the connection of building materials, such as concrete preformed units.

FEATURES & BENIFITS

- Excellent wear-resisting performance.
- For internal & external applications.
- Good elasticity & recoverability.
- Excellent bonding properties with a movement capacity of 25%.
- Easy to use and can construct with a standard caulking gun.
- Excellent resistance to bio-degradation due to bacterial attack in sewage tank and reservoirs.

TECHNICAL DATA:

Form	Sag Resistant Paste
Color	Grey or White
Packaging	600 MI.
Specific Gravity	1.35
Consistency	Non-Slump
Skin Forming Time	50% RH: 90-120 minutes
Tensile Strength	> 250 PSI
Elongation	600 %
Elasticity Modulus	48 PSI
Hardness Shore A	30 to 50
Foot Traffic	24 Hours
Application Temperature	5 ^o to + 35 ^o C

APPLICABLE STANDARD:

Complies with ASTM C920

APPLICATIONS:

Surface Preparations:

All joints should be cleaned and any foreign matter blown out. Any old joint must be removed. Care should be taken to remove any surface alkaline deposit from cement or concrete.

Clean all glass and aluminum surfaces with a mineral spirit or mild solvent prior to apply the sealant.

Suitable back-up materials must be used to adjust sealant depth in the joint.

Application:

- Before starting application, ensure cleaning the dust of the construction surface.

- Put the sealant into caulking gun, cut off the tip, and screw on nozzle and cut the nozzle to desired size.
- Smooth level finish the filled sealant with a spatula.
- Avoid to contact with water before the sealant cures.

LIMITATIONS:

If any doubt arises concerning temperature or joint conditions, consult RADIANT Technical Team.

PACKAGING:

ConFlex PU 600 is available in **600 ML** Cartridge.

COVERAGE:

Theoretical Coverage for Estimating Purposes	
Cross Section of Joint (mm)	Mtr. Per 600 ML Cartridge
40x20	0.75
25 x 12	1.99
20 x 12	2.50
12 x 12	4.15
6 x 6	16.66

HANDLING & STORAGE:

ConFlex PU 600 has a shelf life of 12 months if kept in a dry cool place in the original packing.

HEALTH & SAFETY PRECAUTIONS:

Where temperatures is less than 5⁰ C or greater than 40⁰ C are encountered, contact our Technical Staff. ConFlex PU 600 is of low hazard. Protective gloves, goggles and clothing should be worn. Any contact with eyes or skin should be washed off with soap and clean water. Where this occurs, seek medical advice before continuing use.

TECHNICAL SERVICES:

A trained RADIANT representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

Important Note:

RADIANT Construction Technologies manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.