

CIPADAM[®] E-13

Load Bearing Control Joint Filler

DESCRIPTION

CIPADAM[®] E-13 is a 100% solids, two component, self-leveling flexible epoxy urethane joint sealant for load bearing saw cut or preformed control joints.

WHERE TO USE

CIPADAM[®] E-13 is recommended for use as a joint filler for interior horizontal sawcut or preformed control joints. It is typically used in facilities such as manufacturing areas, warehouses and loading docks where joints are subject to dynamic loading and impact. CIPADAM[®] E-13 is also suitable for repairing interior concrete slabs that have cracked due to settlement or shrinkage.

BENEFITS

- \$ 100% solids, low odor, zero VOC's
- \$ protects joint edges yet allows sufficient flexibility for interior slabs
- \$ fast setting to minimize traffic disruption
- \$ excellent self-leveling and flow properties
- \$ color coded; comparable viscosities of Part A&B
- \$ convenient one to one mixing ratio for ease of application

PROPERTIES: Wet Properties: (Measured @ 23°C / 74°F):

Mix Ratio, by volume	1 part A : 1 part B
Viscosity (Mixed)	3000 cps
Solids Content	100%
Mixed Weight (Density) ..	1.05 kg/litre (8.77 lb/US gallon)
Pot Life (working time)	13 minutes
Gel Time (200 gm mass)	16 minutes
Cut Time	5 to 24 Hours
Color	grey

Cured Properties (7 days cured @ 23°C, 50 RH)

Shore Hardness	85A (40D) (ASTM D2240)
Tensile Strength	10 MPa (1500 psi) (ASTM D638)
Tensile Elongation	80 % (ASTM D638)
Abrasion Resistance (ASTM D4060)	90mg loss Taber Abrasion, C-17 Wheel, 1000 cycles
Pull Out Tensile Adhesion to concrete ...	2.4 MPa.(350 psi) (ASTM D4541) (concrete failure)
Water absorption	0.5 % (by weight) (ASTM D413)

The above information is representative of actual production runs. Independent test results may vary from the above by approximately ±10%.

APPLICATION

SURFACE PREPARATION

Joints to receive CIPADAM[®] E-13 must be clean and dry. Remove any dirt, dust, grease, oil or other foreign contaminants from joints. Both sides of joints should be covered with masking tape. Use a bond breaker in the bottom of the joint such as polyethylene film or tape.

PRIMER

No primer is required for dry joints. In the event the joints are not dry, consult your CPD[®] Technical Representative for primer recommendations.

MIXING

Pre-mix each component separately before combining. Mix one part (by volume) of Part "A" and one part (by volume) of Part "B". Mix thoroughly for 2-3 minutes until a uniform grey color is achieved. Exercise care not to entrap air while mixing.

PLACING

Mixed product can be placed with a conventional caulking gun or poured from the mixing container or a disposable metal or plastic container. Two passes are generally required to bring the sealant up flush with the floor surface as a neat, even joint, free from "dishing". The second pour must be made before the initial pour sets. NOTE: The joint must be completely filled with CIPADAM[®] E-13 from the bottom up for proper performance.

LIMITATIONS

- \$ use only for interior horizontal joints
- \$ do not use as an expansion joint filler or for applications involving continuous immersion
- \$ CIPADAM[®] E-13 is not designed for use in areas subjected to chemical exposure
- \$ concrete temperature must be a minimum of 10°C (50°F) during application
- \$ concrete must be a minimum of 28 days old prior to sealant installation
- \$ CIPADAM[®] E-13 may discolor in areas exposed to constant sunlight

COVERAGE

*For a 4.5L (1.2 U.S. Gallons) of mixed product.

WIDTH	DEPTH	LENGTH
3mm (C")	19mm (¾") 25.4mm (1") 38mm (1½")	71m (237ft) 53m (178ft) 35m (118ft)
4.5mm (3/16")	19mm (¾") 25.4mm (1") 38mm (1½")	48m (151ft) 36m (118ft) 23m (78ft)
6.4mm (¼")	19mm (¾") 25.4mm (1") 38mm (1½")	36m (118ft) 27m (87ft) 18m (59ft)

PACKAGING

4.5 L (1.2 U.S. gal) unit - 5 kg (11 lb)

CLEAN UP

Clean all tools and equipment with Xylene Solvent prior to material set.

STORAGE

Must be stored in a dry heated warehouse. Do not allow to freeze in storage or transport as base resin may crystalize.

SHELF LIFE

Two years if stored under normal heated warehouse conditions in original unopened containers.

SAFETY PRECAUTIONS

Consult Material Safety Data Sheet (M.S.D.S.) for specific instructions. MSDS#300 + 300a

WARRANTY

The recommendations made and the information herein is based on our own and independent laboratory experience, and is believed to be accurate under controlled conditions. However, no warranty or guarantee of accuracy is made because we cannot cover every possible application of product nor anticipate every variation encountered in weather conditions, job conditions, methods used and types of surfaces on which the product is applied. The users shall make their own tests to determine the suitability of such products for any particular use.

CPD[®] makes no warranties with respect to this product, expressed or implied, without limitation, the implied warranties of merchantability or fitness for a particular purpose.

CPD[®]'s liability shall be limited in all events to supplying sufficient product to re-treat and/or repair the specific area to which CPD[®] product has been applied. CPD[®] reserves the right to have the true cause of any difficulty determined by accepted test methods. CPD[®] shall have no other liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

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