

HILTI CF 116-45 & CF 126 Polyurethane foam

1. Product Description

CF 116-45 and CF 126 are single component polyurethane based expanding foams containing no CFC's. CF 116-45 filling foam is used with a finger dispenser while CF 126 dispenser foam is used with a dispensing gun.

2. Uses

- Insulation of; shutter boxes, refrigeration systems and pipes, water pipes, joints around window frames, wooden floors, insulation sheets, drywall, air-conditioning/ventilation ducts.
- Filling of; breaches/penetrations in walls, penetrations for pipes, cladding, form joints, shafts, backfilling of sealants, pre-cast components, holes left by concrete forms.

3. Features

- Contain no CFC's
- Contains no formaldehyde or PCB
- Does not rot or deteriorate with age
- Can equipped with a precision gold valve

4. Systems advantages/customer benefits

- High foam yield – up to 45 litres (750ml, freely foamed)
- Simple use and applications
- Good adhesion without the use of a primer
- Fast curing
- Can be cut once cured
- Excellent insulating properties
- No substances harmful to health are released after complete curing
- Neutral odour
- Reusable system components

5. Packaging

Description:	Filling foam
Package contents:	12 cans
Ordering designation:	CF 116-45
Item No:	308968

Description:	Dispenser foam
Package contents:	12 cans
Ordering designation:	CF 126
Item No:	220439

6. Technical Data

At 23°C and 50% relative air humidity

Content of can (qty filled):	750ml
Colour:	yellowish
Foam yield (freely foamed):	Up to 45 litres
Curing: Non tacky (after)	approx 10-12 min
Ready to cut (after)	approx 30 min
Load bearing (after)	approx 3-5 hrs
Tensile strength:	approx 8 N/cm ²
Shear strength:	approx 5 N/cm ²
Compressive strength: (10% compression)	approx 5 N/cm ²
Thermal conductivity:	0.04 W/mK
Dimensional stability: (upto 40°C & 90% rel. air hum.)	+/- 10%
Gross density (full expansion):	Approx 17kg/m ³
Water absorption:	0.25 vol.-%
Temperature resistance of cured foam:	-30°C to +80°C
Minimum temperature: -- substrate/ambient/can	+5°C
Storage and transportation Temperature:	+5°C to +25°C

7. Application/Installation

- CF 116-45 may be applied using the CF-FA1 finger adaptor or CF-GA1/GR1 grip system
- CF 126 must be applied using CF-DS1 dispenser
- The substrate must be clean
- Use a fine water spray (atomizer) to pre-moisten the surface
- Shake the can thoroughly before use
- Fit the finger adaptor or grip or dispenser to can
- Hold the can upside down (valve underneath) when applying the foam
- The foam should be applied evenly, working from the bottom up. Maximum gap width 30mm
- The foam should be moistened between layers (approx. every 30mm) when filling large openings
- Fresh spots of foam must be removed immediately using Hilti CFR-1 cleaner
- If a pause is made during application;
 - CF 116-45: bend the nozzle back (with two folds) and push the tip of the tube onto the locating pin.
 - CF126: screw close the regulating valve and lock the dispensing trigger
- The foam adheres to concrete, steel, sheet metal, wood hard PVC, masonry, etc
- It does not adhere to Teflon, PE, PP, soft PVC, silicon, grease or mould painting agents.

8. Not for Use

- In areas exposed to direct UV radiation

9. Safety precautions

- Keep out of reach of children
- Use in well ventilated area
- Observe Material Safety Data Sheet
- Eyes and hands must be suitably protected (see Material Safety Data Sheet)
- Avoid contact with eyes/skin.
- If contact occurs;
 - with the eyes: rinse thoroughly with water and consult a doctor
 - with the skin: wash immediately with soap and plenty of water
- This can is pressurized. Protect from direct sunlight and temperatures over 50°C

- Do not incinerate or attempt to open the empty can.
- Do not spray towards naked flames or glowing objects
- Keep away from sources of ignition; No smoking.

10. Storage

- Store in the original packaging in a location protected from direct sunlight, at a temperature of 5°C to 25°C
- Observe the expiry date on packaging

CF126 dispenser foam



CF-DS 1 dispenser

CF116 filling foam



Finger adaptor system
CF-FA 1

Grip System (2 parts)
CF-GA 1 and CF-GR1

This product must be used in accordance with the directions stated. However, as conditions vary in the consuming industries buyers and users must assess its performance for their own requirements. No responsibility is accepted save those non-excludable conditions stated or implied by any Federal or State legislation or law of Australia. Manufactured for Hilti (Aust.) Pty. Ltd., 23 Egerton Street, Silverwater NSW 2128. Tel: (02) 8748 1000.