

HIGH-PERFORMANCE INTUMESCENT FIRESTOP SEALANT FS-ONE MAX

Product description

- Intumescent (expands when exposed to fire) firestop sealant that helps protect combustible and non-combustible penetrations for up to 4 hours fire rating

Applications for use

- For effectively sealing most common through penetrations in a variety of base materials
- For use on concrete, masonry and drywall
- Mixed and multiple penetrations
- Metal pipe penetrations: copper, steel and EMT
- Insulated metal pipe penetrations: steel and copper
- Plastic pipe penetrations: closed or vented

Advantages

- One product for a variety of common through penetrations
- Cost-effective, easy-to-use solution
- Water-based and paintable
- Industry-leading VOC results
- Ethylene glycol-free

Installation instructions

- See Hilti literature or third-party listings for complete application and installation details



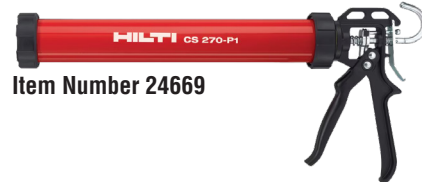
Technical Data*

Chemical basis	Water-based acrylic dispersion
Approx. Density	84.3 lb/ft ³
Color	Red
Approx. cure time¹⁾	2mm / 3 days
Application temperature range²⁾	35°F to 104° (1.5C to 40°C)
Temperature resistance range	-4°F to 212°F (-20°C to 100°C)
Storage Temperature	35°F to 77F (1.5°C to 25°C)
Tack free time	20mins (@ 73°F / 50% rel. humidity)
Shelf life	18 months
Temperature resistance range	-4°F to 212°F
Mold and mildew performance	Class 0 (ASTM G21-13)
Mold and mildew resistant	Yes
Expansion ratio (unrestricted, up to)	1:5
Paintable	Yes
Chemical resistance	Yes
Electrical resistance	Yes
FBC compatible (Lubrizol)	Yes
Intumescent	Yes
W-rating	Yes
M-rated	Yes
LEED VOC (input)	9 g/L
LEED V4 Compliant	Yes (CDPH v1.2-2017)
STC rating (ASTM E90)	62 (relates to specific construction)
Movement	±7.5%
Surface burning characteristics (ASTM E 84-14)	Flame Spread: 0 Smoke Development: 10
California State Fire Marshal approval	CSFM Listing 4485-1200:0108 for FS-ONE MAX Intumescent Firestop Sealant
Tested in accordance with	ASTM G21, ASTM E 90, CAN/ULC-S115, UL 1479, ASTM E 814, ASTM E84

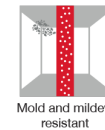
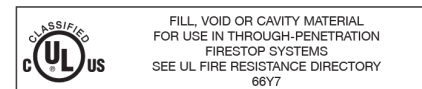
Order Information

Designation	Qty per package	Item number
FS-ONE MAX 20oz foil (1 case)	25x Firestop sealant FS-ONE MAX 20 oz foil	3530250

FOIL PACK DISPENSER MANUAL CS 270 PI



Item Number 24669



Volume per unit: • Foil = 600ml (36.4in³)

- 1) At 75°F (24°C) and 50% relative humidity
- 2) For ambient and surface temperatures between 10°F (-12°C) and 35°F (1.5°C), the following conditions must apply:
 - Substrate surfaces are clean and dry (e.g. free of dust, rust, grease, oil, dew, frost, ice, moisture, etc);
 - Product maintained above 50°F (10°C) for a minimum of 24 hours prior to application;
 - Product will not cure at ambient temperatures below 32°F / 0°C



Product information
Item Number 24669

FOIL PACK DISPENSER MANUAL CS 270 PI

600ml cartridge dispenser



TUBE DISPENSER CFS-DISP

310ml cartridge dispenser

Item Number 2005843



TUBE DISPENSER CFS-DISP

500ml Manual cartridge dispenser
Cartridges for Black and Red 500 ml Cassettes

Item Number 3498314



Features:

- Fast, easy foil pack loading
- Highly resistant to tough jobsite conditions
- High efficiency even at low temperatures
- Minimal mortar dripping after pressure release
- Well balanced for better handling

Applications

- Injection of Hilti HIT adhesive mortar for fastening anchor rods and rebar
- Dispensing all HIT adhesives in concrete and masonry



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HDI+ / HDI DROP-IN ANCHORS



Features:

- Internally threaded anchor for applications in the medium load range
- Anchor, setting tool and Hilti drill bit form a matched tolerance system for more reliable fastening
- Compatible with the HDI-TE-CX automatic setting tool and stop drill bit system for highly productive and reliable fastening

Applications:

- Threaded rod hangers
- Plumbing
- Heating
- Ventilation and air-conditioning systems
- Suspended pipes



HDI (-L) SETTING TOOL



2058129	Drop-in anchor HDI+ 3/8" (Anchor only)	(300 anchors)
3547875	HDI+ 3/8" w/ auto set tool KIT	(300 anchors)
409492	Drop-in anchor HDI+ 1/4" (Anchor only)	(300 anchors)
3547142	HDI+ 1/4" w/ auto set tool	(300 anchors)
2080046	Drop-in anchor HDI+ 1/2"	(50 anchors)
3547878	HDI+ 1/2" (300) w/ auto set tool KIT	(50 anchors)
336428	Drop-in anchor HDI 5/8"	(50 anchors)
336429	Drop-in anchor HDI 3/4"	(50 anchors)

HDI-L DROP IN ANCHOR SETTING TOOL LONG VERSION



2-in-1 Setting tool for HDI drop-in anchors

- No need to change tools – drilling and setting can be done with the same tool
- Connection end: TE-C (SDS Plus)
- Base material: Reinforced concrete, Concrete
- Working mode: Hammer drilling

2112762	Set tool & Drill Bit Combo HDI(-L)+ 1/4"	(1 tool)
2112764	Set tool & Drill Bit Combo HDI(-L)+ 3/8"	(1 tool)
2112766	Set tool & Drill Bit Combo HDI(-L)+ 1/2"	(1 tool)

HDI-P DROP-IN ANCHORS



Features:

- Optimized for more reliable fastening at shallow embedment depths Flush anchor, setting tool and Hilti drill bit form a matched-tolerance system to make it easier to create reliable fastenings

Applications:

- Fastenings in hollow-core panels, precast slabs and post-tension slabs

HDI-P SETTING TOOL



Setting tool for HDI anchors with an integrated SDS Plus (TE-C) stop hammer drill bit

- Connection end: TE-C (SDS Plus)
- Base material: Reinforced concrete, Concrete
- Working mode: Hammer drilling

Features:

- Drill holes precisely to the desired depth
- No need to change tools – drilling and setting can be done with the same tool
- Up to 50% faster than the traditional method (overhead hammering) – increasing productivity
- Large rubber grip for easier handling
- Drilling and setting with one tool

409498	Drop-in anchor HDI-P 1/4	(100 pieces)
3698370	HDI-P 1/4" (100) W/ Auto Set Tool	(100 anchors)
409499	Drop-in anchor HDI-P 3/8"	(100 pieces)
3698371	HDI-P 3/8" (100) W/ Auto Set Tool KIT	(100 anchors)
409500	Drop-in anchor HDI-P 1/2"	(50 pieces)
409500	Drop-in anchor HDI-P 1/2"	(100 pieces)
3698372	HDI-P 1/2" W/ Auto Set Tool	(50 anchors)
3698372	HDI-P 1/2" W/ Auto Set Tool KIT	(50 anchors)
2112761	Setting tool HDI-P 1/4"	(1 tool)
2112763	Set tool & Drill Bit Combo HDI-P 3/8"	(1 tool)
2112765	Set tool & Drill Bit Combo HDI-P 1/2"	(1 tool)



POWDER CARTRIDGE 6.8/18 .27 LONG CALIBER RED



Item Number 50317
Sold in box of 100 pieces

Features:

- Delivers the most reliable fastenings and highest productivity when used with Hilti DX nailers
- Designed specifically for use with Hilti powder-actuated tools as part of a matched tolerance system

Applications:

- Powder-actuated fastening of threaded studs to concrete and steel for hanging sprinkler pipe systems and other similar applications

Single .27 caliber long cartridges for use with powder-actuated nailers

For use with (tools): DX 600N Powder Actuated Tool

Cartridge type: .27 caliber long single

Approvals: CIP



DX 600-N POWDER ACTUATED TOOL

Powder-actuated nailer for fastening threaded stud to concrete and steel

Fastener Intake: Single

Fastener length range: 0.59 - 1.65 in

Cartridge type: .27 caliber long single

Item Number 6059
Sold each

Features

- A quicker, easier way to make permanent or temporary fastenings using threaded studs
- Virtually vibration-free solution for creating threaded fastening points in concrete – no drilling required for these powder-actuated fastenings

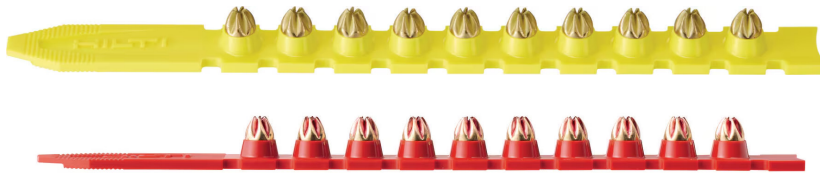
Applications:

Fastening threaded studs to concrete and steel for hanging sprinkler pipe systems and other similar applications





POWDER CARTRIDGE 6.8/11 M10 .27 CALIBER SHORT BULK



Features:
Part of the Hilti DX range of high-performance, reliable and versatile powder actuated fastening solutions

Hilti cartridges are designed specifically for use with Hilti powder actuated tools as part of a matched tolerance system

Applications:
Powder actuated fastening on steel, concrete and sand-lime block
For use with the DX 5, DX 2, DX 460, DX 462, DX 351, DX 450, DX 36, DX A40 and DX A41 fastening tools

Single .27 caliber long cartridges for use with powder-actuated nailers
For use with (tools): DX 600N Powder Actuated Tool
Cartridge type: .27 caliber long single

ITEM #	DESCRIPTION	QTY ANCHORS
30572	Powder Cartridge (Strip) 6.8/11 M .27 cal yellow bulk	1,000
50352	Powder Cartridge (Strip) 6.8/11 M .27 cal short yellow	100
30573	Powder Cartridge (Strip) 6.8/11 M .27 cal red bulk	1,000

CLEAN-TEC POWDER CARTRIDGE 6.8/11 M10 27 TITANIUM



Features

- Free from lead and other heavy metals
- One cartridge color covering most key applications – simplifying inventory management
- Multi-purpose cartridge for use with the expanded on-tool energy settings on DX 6 powder-actuated fastening tools
- Clean combustion – less residue build-up inside tool, reducing downtime for cleaning and maintenance
- Greater efficiency – numbered strips help to ensure that no cartridges are wasted

Applications

- Powder-actuated fastening on steel, concrete and sand-lime block
- For use with DX 6 powder-actuated fastening tools

ITEM #	DESCRIPTION	QTY ANCHORS
2229027	Powder Cartridge (Strip) 6.8/11 M10 .27 caliber Titanium	100

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer.

For more information go to www.P65Warnings.ca.gov.





KWIK BOLT TZ2 WEDGE ANCHOR



ITEM #	DESCRIPTION
2210236	Stud Anchor KB-T22 3/8" x 3"
2210253	Stud Anchor KB-T22 3/8" x 3"

QUANTITY
of Anchors

High-performance tool-set drop in anchor
 Approvals / Test reports: FM (Factory Mutual),
 UL (Underwriter Laboratories)
 Material, corrosion: Carbon steel, zinc-plated

Features

- Ultimate tension and shear performance for seismic relevant applications as well as cracked concrete (tension zone)
- Seismic tested in accordance with ACI 355.2 and ICC-ES AC 193
- Per ICC-ES, compliant for use with Hilti Adaptive Torque (AT) Module for Mechanical Safeset Per ICC-ES, compliant for use in diamond cored holes
- Small minimum edge distance and spacing for maximum design flexibility

Applications:

- Fastening structural steel, facades, electrical and mechanical equipment, hand rails and racks

IMPACT ANCHOR HPS-1



ITEM #	DESCRIPTION
260347	Impact Anchor HPS-1 3/15" x 1"

QUANTITY
of Anchors
200

Features:

- For universal use on many materials, including perforated brick and block
- The hammer-driven screw can also be driven or unscrewed using a screwdriver
- Quick impact installation using a hammer

Applications:

- Fastening trim strips, battens and components for electrical and plumbing installations

STEEL/CONCRETE NAILS WITH WASHER



ITEM #	DESCRIPTION
237370	Premium fastener with washer X-U 22 P8 S15

QUANTITY
of Anchors
100

Features:

- Galvanized nails for fastenings on concrete or steel
- Higher application limits, higher ultimate tensile loads
- With preassembled washer providing increased pull-over values
- Fully-knurled point for better performance on high-strength steel and hard concrete

Applications:

- Fastening on steel support frames S 355 (St 52) 6-12 mm
- Fastening steel sheets on steel support frames or substructures S 355 (St 52) 6-8 mm
- Fastening wood on S 355 (St 52) steel substructures with a thickness of 6 mm
- Fastening timber or steel brackets to steel or concrete where high pull-over strength is required

ADD
DX-2 POWDER ACTUATED TOOL
6.8/11 SHORT POWDER CARTRIDGE



CONCRETE NAILS



Features:

- Premium fastener for attaching a variety of thin materials to masonry block and concrete
- Suitable for soft to medium-hard concrete (up to 45 N/mm² concrete strength)
- Best suited for fastening to concrete with a hardness of up to 6,000 psi

ADD
 DX-2 POWDER ACTUATED TOOL
 6.8/11 SHORT POWDER CARTRIDGE

ITEM #	DESCRIPTION	QUANTITY of Anchors
3496981	Kit X-C 20 THP + 6.8/11 M Y bulk INCLUDED XC 20 + 65.8 11 YELLOW CARTRIDGE STRIP	1000
2074271	CONCRETE FASTENER Std fastener X-C 20 THP BULK	1000

Applications:

- Fastening drywall track to concrete
- Attaching wire mesh and thin sheet metal to concrete, sand-lime block and solid brick
- Fastening brick ties to masonry or concrete
- Fastening HVAC duct strapping or suspended ceilings on normal-strength concrete
- Securing electrical junction boxes, conduits and cables to masonry block or concrete

DRYWALL SCREWS



Features:

- Easy to drive thanks to excellent drilling characteristics
- Hilti has full control of the manufacturing process – delivering reliable, consistent quality
- Precisely matched to Hilti drivers and bits – helping to achieve high-quality fastenings every time
- All Hilti drywall drill-point screws meet or exceed ASTM C 954 performance requirements

ADD HILTI2039037
 ADD 2248353

ITEM #	DESCRIPTION	QUANTITY of Anchors
86215	Drywall screw zinc 6 x 1-1/4" PBH SD	8000

Applications:

- Fastening drywall boards to metal studs (20-14 ga)
- Fastening hard boards to metal studs (20-14 ga)

DRYWALL NAILS X-S THP/TH



INCLUDES: 1000 STEEL NAILS
 1000 CARTRIDGE 6.8/11 M .27 CAL YELLOW

Features:

- Can be driven directly into steel without pre-drilling
- Powder actuated solution for greater productivity
- Metal top-hat design facilitates easy loading and reduces the risk of through-penetration when fastening thin materials
- X-S 16 fastener hardness for higher application limits on steel

ITEM #	DESCRIPTION	QUANTITY of Anchors
3510110	Kit X-S13 THP+6.8/11M C-T Yellow	1,000
2305185	Steel nail X-S 13 THP Bulk	1,000

Applications:

- Fastening thin metal sheet to steel
- Fastening drywall track or brick ties to steel



HAMMER DRILL BITS

Ultimate SDS Plus (TE-C) hammer drill bit for anchor drilling into reinforced concrete (imperial)
Connection end: TE-C (SDS Plus)
Base material: Reinforced concrete, Concrete, Brick, Masonry
Working mode: Hammer drilling

Features:

- New solid carbide head has high wear-resistance and makes more precise holes for anchor setting – up to 30% more lifetime than other SDS Plus drill bits
- Solid carbide head featuring gradient technology – engineered to drill easily through rebar
- Quadruple helix and optimum head geometry for consistently fast drilling speed over the entire life of the drill bit
- Indicator mark – the bit is suitable for setting anchors as long as this mark is visible
- In the unlikely event of breakage, the drill bit will be considered for replacement as long as the wear mark on the helix is still visible

Applications:

- Drilling anchor holes in reinforced and unreinforced concrete
- Drilling holes for post-installed rebar connections



ITEM #	DESCRIPTION
2046400	Hammer drill bit TE-CX 7/16" x 12"
434996	Hammer drill bit TE-CX 3/16" x 8"
435001	Hammer drill bit TE-CX 1/4" x 8"
435004	Hammer drill bit TE-CX 5/16" x 12"
435007	Hammer drill bit TE-CX 3/8" x 12"
2341093	Hammer drill bit TE-CX 1/2"-12"
2341096	Hammer drill bit TE-CX 9/16"-12"
2341100	Hammer drill bit TE-CX 5/8"-12"



ITEM #	DESCRIPTION
2206615	Hammer drill bit TE-CX 7/8"-18"
2206735	Hammer drill bit TE-CX 26/27, 1"-10"
2206739	Hammer drill bit TE-CX 11/16"-12"
2206742	Hammer drill bit TE-CX 3/4"-12"



TE 4-22 CORDLESS ROTARY HAMMER

Cordless Rotary Hammer TE 4-22 #2253092



Features:

- **Compact but highly capable** – the best balance of power-to-weight ratio, drilling speed and work per charge of any Hilti SDS Plus rotary hammer drill
- **Faster drilling** – finish your installation faster thanks to 20% more power from the new brushless motor and revolutionary Nuron batteries
- **Improved comfort** – reduced weight, redesigned grips, LED light and better balance make the TE 4-22 cordless rotary hammer especially easy to handle when drilling overhead
- **Comprehensive safety features** – includes Active Torque Control (ATC) to better protect you from uncontrollable spinning if the bit sticks
- **Active Vibration Reduction (AVR)** makes the tool less tiring to use – helping to increase daily productivity

Applications:

- Drilling and hammer drilling in concrete and masonry
- Overhead drilling in concrete, such as for hanging pipes and conduits, MEP installations and suspended ceilings
- Virtually dust-free drilling (TE DRS-4/6 on-board dust removal system or TE DRS-C vacuum cleaner connector required)
- Setting anchors and drop-in anchors in concrete (with optional TE-C bit holder and setting tool)
- OSHA 1925.1153 Table 1 compliant, virtually dust-free drilling (TE DRS-4/6 on-board dust removal system or TE DRS-C vacuum cleaner connector required)

Compact SDS Plus cordless rotary hammer with our best performance-to-weight ratio for overhead drilling (Nuron battery platform)

Weight according EPTA-Procedure 01/2003 without battery: 5.4 lb.

Optimum Hammer drilling range: 5/32 - 9/16 in

Hammer drilling diameter range: 5/32 - 1-3/32 in



TE 4-22 CORDLESS ROTARY HAMMER

ITEM #	DESCRIPTION
2253092	Cordless Rotary Hammer TE 4-22
2253927	Nuron Battery charger C 4-22 115V



Compact SDS Plus cordless rotary hammer with our best performance-to-weight ratio for overhead drilling (Nuron battery platform)

Weight according EPTA-Procedure 01/2003 without battery: 5.4 lb.

Optimum Hammer drilling range: 5/32 - 9/16 in

Hammer drilling diameter range: 5/32 - 1-3/32 in

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- Setting anchors and drop-in anchors in concrete (with optional TE-C bit holder and setting tool)
- OSHA 1925.1153 Table 1 compliant, virtually dust-free drilling (TE DRS-4/6 on-board dust removal system or TE DRS-C vacuum cleaner connector required)





CORDLESS ANGLE GRINDER AG 4S-22-5 HILTI2267006



Cordless brushless angle grinder with adjustable speed for everyday cutting and grinding with discs up to 5" (Nuron battery platform)

Rated voltage: 21.6 V

Disc diameter: 4.9 in

Max. cutting depth: 1.34 in

Features:

- More cuts per charge – lasts up to 10% longer and cuts up to 10% faster than previous Hilti angle grinders, thanks to the combination of brushless motor and revolutionary Nuron batteries
- Suitable for stainless steel – precise speed control from 3400-7600 rpm, so you can use the same grinder for rough material removal and precise surface finishing
- More comfortable grip – slimline, contoured handle with lock-on switch for improved control in virtually any working position
- Advanced safety features – Active Torque Control (ATC) for improved protection from angle grinder kickback if the disc gets stuck
- Two versions available – choose from the more agile 4.5" model, or the more versatile 5" grinder

Applications:

- Cutting and grinding steel, stainless steel and other metals
- Deburring and polishing metal
- Cutting and grinding concrete, masonry and stone
- Cutting tiles (continuous-rim diamond discs required)



CORDLESS RECIPROCATING SAW SR 6-22 HILTI2240583



Cordless reciprocating saw for heavy-duty demolition and cutting with better comfort and speed (Nuron battery platform)
Base material: Wood with metal, Wood with nails, Wood composites, Wood, Steel, Stainless steel, Sandwich panel, Plywood, Plastic, Metal sheet, Metal, Masonry, Hollow brick, Drywall, Cast iron
Stroke length: 1-1/4 in
Stroke rate: 2600 strokes / minute

Features:

- Powerful cordless reciprocating saw designed to deliver higher cutting speed without compromising on handling comfort
- Faster, smoother cuts – slice through metal or nail-embedded wood with greater speed and ease thanks to the extra output from Nuron batteries
- Advanced ergonomics – with up to 26% lower vibration thanks to Advanced Vibration Reduction (AVR), improved tool balance and LED light, the SR 6-22 delivers Hilti's best handling yet
- Safer jobsites – optional lanyard for tool drop protection; dust removal system to connect to a vacuum, and Cut Assist attachment available to stabilize your workpiece in any position
- On the Nuron battery platform – cordless reciprocating saws without compromise thanks to longer-lasting batteries, energy-saving blades and a range of services to keep you productive, today and tomorrow

Applications:

- Demolishing or trimming non-structural metal – such as pipe, strut, cable trays, sheet and crash barriers
- Demolishing wood or metal-embedded wood
- Cutting up plastic – such as pipes, insulation or window and door frames



SDS plus



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