



ANSI Z308.1-2021 First Aid Kit Compliance



Based on Federal **OSHA Regulation Standard 1910.151.b**: "Adequate first aid supplies shall be readily available." This rule applies to treatment of minor injuries that occur in the workplace.

OSHA (Occupational Safety & Health Administration) specifically references **ANSI Z308.1 Minimum Requirements for Workplace First-Aid Kits** in Appendix A of 29 CFR 1910.151 for establishment of the minimal contents of a generic first aid kit for the workplace.

Table 1: Classes of First Aid Kits and ANSI Z308.1-2021 Required Supplies

First Aid Supplies	ANSI 2021 Minimum Quantity		ANSI 2021 Minimum Size or Volume	
	Class A Kits	Class B Kits	(US)	(metric)
Adhesive Bandage	16	50	1 x 3 in	2.5 x 7.5 cm
Adhesive Tape	1	2	2.5 yd	2.3 m
Antibiotic Application	10	25	1/57 oz	0.5 g
Antiseptic	10	50	1/57 oz	0.5 g
Burn Dressing (gel soaked)	1	2	4 x 4 in	10 x 10 cm
Burn Treatment	10	25	1/32 oz	0.9 gm
Cold Pack	1	2	4 x 5 in.	10 x 12.5 cm
CPR Breathing Barrier	1	1	N/A	N/A
Eye Covering w/ means of attachment	2	2	2.9 sq in	19 sq cm
Eye/Skin Wash				
1 fl oz total	1		1 fl oz	29.6 ml
4 fl oz total		1	4 fl oz	118.3 ml
First Aid Guide	1	1	N/A	N/A
*Foil Blanket	1	1	52 x 84 in	132 x 213 cm
*Hand Sanitizer	10	20	1/32 oz	0.9 g
Medical Exam Gloves	2 pr	4 pr	N/A	N/A
Roller Bandage				
2 inch	1	2	2 in x 4 yd	5 cm x 3.66 m
4 inch		1	4 in x 4yd	10 cm x 3.66 cm
Scissors	1	1	N/A	N/A
Splint		1	4 in x 24 in	10.2 x 61 cm
Sterile Pad	2	4	3 x 3 in	7.5 x 7.5 cm
*Tourniquet (Windlass or Ratchet)	1	1	1.5 in (width)	2.5 cm (width)
Trauma Pad	2	4	5 x 9 in	12.7 x 22.9 cm
Triangular Bandage	1	2	40 x 40 x 56 in	101 x 101 x 142 cm

**Updated for 2021*

Changes from 2015 Standard

First Aid Supplies	ANSI 2021 Minimum Quantity		ANSI 2015 Minimum Quantity	
	Class A Kits	Class B Kits	Class A Kits	Class B Kits
*Foil Blanket	1	1	-	-
*Hand Sanitizer	10	20	6	10
Tourniquet (Latex or Nitrile)	-	-	-	1
*Tourniquet (Windlass or Ratchet)	-	1	-	-

Table 2: Characteristics of Types of First Aid Kits

Type	Use	Portable	Mountable	Water Resistant	Waterproof	Performance
I	Indoor	-	●	-	-	-
II	Indoor	●	-	-	-	-
III	Indoor/Outdoor	●	●	●	-	-
IV	Indoor/Outdoor	●	●	-	●	Section 5.2.5

PRO-SAFE First Aid Kits

Class A Portable Kits

Class A first aid kits are intended to provide a basic range of products to deal with the most common types of injuries encountered in the workplace including: major wounds, minor wounds (cuts and abrasions), minor burns and eye injuries.



#96801535	16 Unit Class A Plastic Kit
#96801600	16 Unit Class A Metal Kit
#96801394	24 Unit Class A Metal Kit
#96720594	36 Unit Class A Plastic Kit
#96042239	36 Unit Class A Metal Kit
#96800248	10 Person Class A Plastic Kit
#96800263	10 Person Class A Metal Kit
#96801881	25 Person Class A Plastic Kit
#96803754	25 Person Class A Metal Kit
#96209689	50 Person Class A Plastic Kit
#96801006	50 Person Class A Metal Kit

Class B Industrial Kits & Cabinets

Class B kits are intended to provide broader range and quantity of supplies to deal with injuries encountered in more populated, complex and/or high risk workplace environments.



#96801865	2-Shelf Class B Cabinet
#96803408	3-Shelf Class B Cabinet
#96803325	4-Shelf Class B Cabinet
#96803739	5-Shelf Class B Cabinet
#96800867	3-Shelf Wide Class B Cabinet
#96720347	4-Shelf Wide Class B Cabinet
#96800214	50-Person Class B Plastic Kit
#96042783	50-Person Class B Metal Kit

ANSI Z308.1 Required Items Refills

#96727946	Class A Refill
#96733209	Class B Refill

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ANSI Z308.1-2021

Additional Guidance

Understanding the kit content changes.



Foil Blanket: The foil blanket was added as a mandatory item for both Class A and Class B kits based on the assessment of international standards as well as being an item with multiple purposes that can be used during treatment of illness or injury in the workplace.



Tourniquet: The type of tourniquet was specified to distinguish between the types of bands used for clinical purposes to draw blood versus arterial tourniquets that utilize a ratchet or windlass method to reach full occlusion in the event of a serious injury including a trapped and open limb.

What other guidance is included in the full Standard?

In addition to the established minimum kit content requirements, ANSI Z308.1-2021 also has guidance in relation to Bleeding Control Kits and Other First Aid Supplies, Ongoing Maintenance, and Unitized Kits (Appendix B); and Guidance on Selection of Contents for First Aid Kits (Appendix C).

Highlights of Appendix B

Bleeding Control Kits: These kits contain first aid supplies specifically packaged to immediately treat life-threatening external bleeding. These kits should be uniquely packaged to stand out and enable a first aid provider to readily access supplies.



Essential bleed control items include:

- Chest seal
- Compression bandage
- Hemostatic bandages
- Thermal blanket
- Tourniquet

Related kit contents include:

- Gloves
- Permanent marker
- Shears

Supplemental First Aid Supplies:

It's expected that, in addition to the required minimum first aid supplies, first aid kits will be adapted to the specific workplace hazards.



These additions can include:

- Assorted styles/sizes of adhesive bandages
- Analgesics (oral and/or topical)
- Antihistamines
- Electrolyte replacement
- Face mask, 3-ply, Level 1
- Hydrocortisone
- Surface disinfecting wipes

- Aspirin (low-dose)
- Glucose replacement
- Hemostatic agent/dressing
- Splinter remover
- Thermometer (disposable)

Ongoing Maintenance of First Aid Kits

Appendix B.3a states that "first aid kits should be inspected at least monthly or following a first aid incident when product is used. Frequent inspection is recommended to ensure the completeness and usable condition of supplies to maintain compliance". In addition, cabinet surfaces should be disinfected regularly, during restocking or following any incident when product is used.

Highlights of Appendix C

Workplace Hazard Assessment: It is recommended that a workplace hazard assessment occur to determine what types of hazards exist, what types of injuries can or have occurred in relation to the hazards, and what types of first aid supplies are needed to treat the injuries. In addition to Class A or Class B minimum requirements, it is recommended supplies be added to address these hazards.

Quality and Location of First Aid Kits: When assessing the workplace risk, it is also important to assess the proximity of the first aid supplies to each worker. Response time is imperative and the number of first aid cabinets should be based on how quickly an injury can be treated rather than the number of employees. OSHA generally advises that near proximity of a first aid kit should result in an emergency being treated within 3-4 minutes.

Selecting Additional Products for the Work Environment: Providing additional products above and beyond the required contents appropriate to the workplace may increase overall workplace safety and employee productivity. These types of products can include oral over-the-counter (OTC) medications that treat pain/inflammation, headaches, upset stomach, and cold or sinus symptoms.

Guidelines for OTC medications in workplace first aid kits include:

Individually packaged in the proper dose, tamper-evident packets with drug facts printed on them. OTCs that may cause drowsiness are not recommended.



Seasonal First Aid Supplies: The workplace hazard assessment may also reveal the need for certain supplies during the different seasons based on exposure to different elements. Products may be necessary for treatment of allergic reactions, insect stings and bites, poison ivy, and heat stress.