

# Product Information Sheet

SwedSafe Earplug BP2

Issue 3.0, 2022-08-23, TST

## General product description & illustration

SwedSafe BP2 is unique and patented earplug design with a foam earplug and a glued-on cap adapter mounted on a headband that is foldable. Headband exists with various logos and colors.

### Standard earplug mounted on uvex headband



uvex x-fold

## General product data

	Assembled	Foam (2x)	Cap adapter (2x)	Headband
Weight (approx) x-fold (BP2)	8,6g	1,1g	0,45g	7g
Material		PU	SEBS (TPE)	PP
Color		Lime	Sky Blue	Grey

**Note!** Example of standard color combinations. For all color combinations, please contact us

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## Product characteristics

The unique and patented ear plug design gives a number of user benefits such as;

**EASY & QUICK INSERTION** obtained by;

- the unique left & right curved pins, for the left & right real ear curvatures
- the unique shape, size & angle of the pin handles

**HIGH WEARER COMFORT** obtained by;

- the unique left & right curved pins which mimics the left & right real ear curvatures
- the oval-shaped foam earplugs which mimics the real ear canal cross section, and thus reduces the pressure in the ear canal

**EXCELLENT HYGIEN** obtained by;

- no need for roll and touch the earplugs before insertion
- exchangeable foam plug parts

**REDUCED COST & ENVIRONMENTAL IMPACT** obtained by;

- reuse of pins / cord (only the small foam plug to scrap/dispose)
- Glue free (no harmful substances) foam attachment

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## Product tests / certifications / attenuation values

### Europe

Tested according to EN 352-2:2020

This product fulfills the requirement of the (EU) PPE Regulation 2016/425 and are in conformity with PPE Regulation 2016/425 as adopted into the UK Law and amended. EU Declaration of Conformity and UKCA Declaration of Conformity: <https://swedsafe.com/doc/> EC type examination (Module B) certificate No.: 0598/PPE/22/2674, notified body No. 0598 (SGS Fimko Oy, Finland).

The conformity to the EU type examined product is based on quality assurance of the production process (Module D) under surveillance of the notified body, 0598 (SGS Fimko Oy, Finland). Approved Body 0120 SGS UK, United Kingdom.

#### European Standard EN 352-2:2020

Attenuation data

Frequency Hz	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	27,1	23,0	24,1	26,2	35,1	39,6	40,4
Standard deviation dB	5,1	4,2	4,3	4,2	3,1	3,4	4,4
Assumed Protection dB (APV)	22,0	18,8	19,8	22,0	31,9	36,2	36,0

**SNR: 26 dB**

**H: 30 dB, M: 23 dB, L: 21 dB**

**SNRm: 30,1 dB**

**Hm: 33,1 dB, Mm: 26,7 dB, Lm: 24,7 dB**

**SNRs: 3,6 dB**

**Hs: 3,0 dB, Ms: 3,8 dB, Ls: 3,8 dB**

### USA

Tested according to ANSI S3.19-1974

Test report No.: Q1428A, Michael & Associates, USA

#### American Standard ANSI S3.19-1974

Attenuation data

Frequency Hz	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation dB	28,3	26,3	25,0	24,9	31,9	39,4	38,0	37,4	39,9
Standard deviation dB	4,1	3,0	3,3	2,9	3,4	3,3	4,4	5,2	5,9

**NRR: 21 dB**

**Class B(L) Canada**

### Australia/New Zealand

Tested according to AS/NZS 1270:2002

Test report No.: Q1427A, Michael & Associates, USA

#### Australian Standard AS/NZS 1270:2002

Attenuation data

Frequency Hz	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	18,9	18,2	17,0	19,4	28,2	32,0	33,7
Standard deviation dB	7,7	7,7	6,0	5,1	3,9	4,9	7,5
Assumed Protection dB (APV)	11,2	10,5	11,0	14,3	24,3	27,0	26,3

**SLC<sub>80</sub>: 18 dB Class 3**

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## Packaging

Currently existing in several brands & names packaging versions;



uvex x-fold

## SwedSafe general characteristics

- The SwedSafe management system fulfils the requirement of the ISO 9001:2015 standard. Certified compliance by Qvalify, Certificate no. 1394.
- Produced in Sweden, the country with highest occupational health and safety requirements and regulations. SwedSafe fulfils all the requirements of the ISO 45001:2018 standard, certified by Qvalify.
- Produced in Sweden, the country with strictest environmental requirements and regulations. SwedSafe fulfils all the requirements of the ISO 14001:2015 standard, certified by Qvalify
- SwedSafe report sustainability work.
- Verified gap analysis / compliance to the ISO 26000 standard. Verified by INTERTEK, verification no. 1.