



The complete solution for the hearing health of professionals exposed to noise



COTRAL Original White

Hearing protection with uniform attenuation
 3D digital manufacture, based on ear impressions
 Customised hearing protection made of Crylit®
 guaranteed for 5 years

COTRAL Original White, made of white Crylit®, are manufactured in 3D based on a scan of the impressions taken by your Prevention Technician. The acoustic filter attenuates noise **uniformly throughout all frequency bands**.

These protections are tailored to "communicators", maintenance staff, individuals listening to machine noise and employees with severe hearing losses...

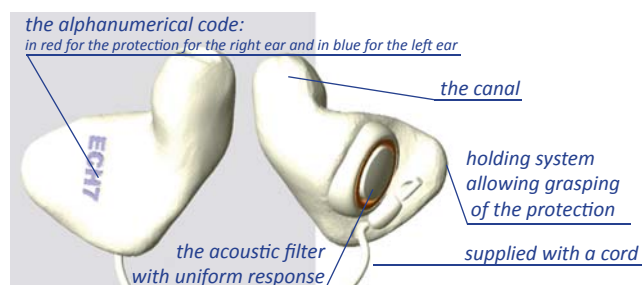
They are valued in the **music world**, as they protect hearing while maintaining a **very good listening quality and purity of sound**.



For 6 you key points

- The ear impressions for each employee are taken at your company, according to your needs.
- Preservation of the sound with uniform noise attenuation throughout all frequencies, ideal in the music world.
- Intelligibility of voice maintained with this filtration system to facilitate communication.
- The 3D digital manufacturing which provides you customisation with a precision of 100 microns for unparalleled comfort.
- Information is given to raise employee's awareness of the risks of noise during the impression taking.
- Simple maintenance to ensure that your protections remain effective and comfortable to wear.

Description



Your guarantees

- Your protections are **certified** according to standard EN 352-2:2003.
- Your protections are **guaranteed for 5 years** (refer to the recommendations of use).
- An after-sales service at **www.cotral.co.uk "customer area"** or by telephone at +33 (0) 2 31 69 05 13



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Laboratoire COTRAL
 ZA Charles Tellier
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COTRAL Original White

3D customised hearing protection made of Crylit®
 3 certified uniform response filters with this protection
 SNR between 15, 19 and 24 dB

The COTRAL Original White protection offers attenuation with a uniform response throughout the entire range of frequencies.

The acoustic filters with uniform response

The COTRAL Original White protection is designed to offer flat, uniform attenuation throughout all frequency bands. It allows clear and accurate hearing of sound while protecting hearing.

Use of this protection is highly valued, as it gives an impression of immediate relief and markedly reduces stress and fatigue without cutting off the user from his/her acoustic environment.

It is likewise recommended for musicians and technicians both in studios and concerts in order to avoid excessive exposures to sound while preserving a good balance in the frequency band perceived. It is also prescribed for individuals suffering from hearing losses, particularly in the high frequencies (presbycusis, auditory scotoma at 4000Hz...).

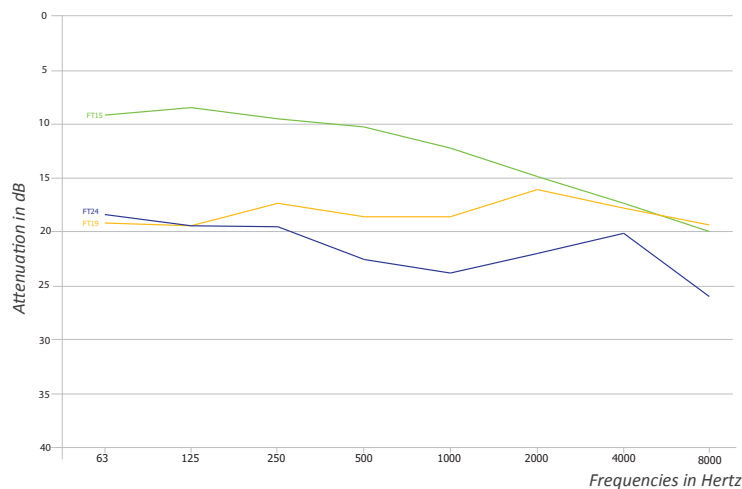
3 certified models
 (standard NF EN 352-2:2003).

It is essential for the protection to reduce noise to below the regulatory thresholds without the attenuation's being excessively high. One should not ignore the significance of communication and the need to hear warning signals.

Source: standard EN 458

		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	HML (dB)	SNR(dB)
	Mf (dB)	23.2	23.4	21.9	22.1	21.8	18.5	19.5	24.1	H	19
	Sf (dB)	4.1	3.7	4.6	3.4	3.2	2.5	1.6	4.8	M	
	APVf (dB)	19.1	19.6	17.3	18.7	18.6	16	17.9	19.3	L	
	Mf (dB)	14.1	12.1	12.7	13.3	14.1	18.5	20.2	23.7	H	15
	Sf (dB)	4.9	3.6	3.1	3.0	2.0	3.6	2.9	3.7	M	
	APVf (dB)	9.2	8.5	9.5	10.3	12.07	14.9	17.3	20.0	L	

Mf (dB) : Affaiblissement - Dämmung - gemiddelde demping - average attenuation
 Sf (dB) : Ecart type - Standardabweichung - standaard afwijking - standard deviation
 APVf (dB) : Mf - Sf



You will appreciate



AUDITOOLS: A online bow with free downloadable documents at www.cotral.co.uk for hearing health management.



The efficacy test for the INTRA-EAR protections: CAPA

You can check the insertion loss of the hearing protections worn by each of your employees. Need more information about this test? Contact us at + 33 (0) 2 31 69 36 36.



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