



➤ **PRODUCT BULLETIN**

Cesa™ Aversive Technology for Wire & Cable Protection **Masterbatch additives for long-term cable protection against rats** **and termites, compliant with the EU Biocidal Product Regulation (BPR)**

PRODUCT DESCRIPTION

Cesa™ Aversive Technologies are masterbatches which, when incorporated into cable jackets, provide long-term protection against gnawing by rats and termites.

The smell of the additive acts as a deterrent against rats and termites, thereby providing protection against gnawing damage which could potentially affect the operating capacity of the cables.

The masterbatches contain “low concern” substances which are effective against rats and termites and compliant with the BPR.

Only authorized masterbatches for the purpose of conferring a biocidal property to an article can be used inside the European Union.

PRODUCT RANGE

Our products have been submitted to the BPR and received an authorization number. According to the authorization, Cesa Aversive Technologies are sufficiently effective and have no harmful effects on human health and the environment.

Reference	Product Name	Carrier
CC10087477BG	87477 EVA Anti-Rat Masterbatch	EVA
CC10107079BG	107079 EVA Anti-Termite Masterbatch	EVA
CC10125842BG	5842 EVA Multi-Repel Masterbatch	EVA

VALUE SOLUTION

The European Union adopted Guidelines in 2015 establishing that masterbatches with biocidal function needed to be authorized for use in European Union.¹ As such, masterbatch products containing aversive or repellent substances are considered as a biocidal product.² Indeed, deterring harmful organisms is a biocidal function.

It is therefore a mandatory prerequisite for EU manufacturers and cable users to be in full compliance with EU Biocidal Product Regulation No. 528/2012.

Cesa Aversive Technologies offer cable manufacturers and cable users the ability to be fully compliant with this regulation by incorporating an officially authorized masterbatch into cable jacketing materials.

KEY CHARACTERISTICS

- Compliant with BPR EU No. 528/2012 PT19 requirements
- Designed for incorporation into cable jackets exposed to rats and termites attack
- Efficacy at low dosing 2–4%
- “Low concern” and long lasting active substance
- Compatible with most polymers

TARGET MARKET AND APPLICATIONS

Appropriate for all applications where cables can be exposed to rats and termites. End-use applications include infrastructure, subway, tunnel, photovoltaic, marine, offshore, underground, airport, installation in soil, sewage where rats or termites are present.

Cesa Aversive Technologies also support sustainability by contributing to cables with longer lasting protection. Longer lasting protection can help avoid unplanned service breakdowns and associated high costs for repairing or installing brand new replacement cables.

TECHNOLOGY BENEFITS

- Helps provide long term cable protection against rats and termites
- Enables manufacturers and cable users to be compliant with EU Regulations
- Easy to use, direct incorporation in the jacket, no need for additional layer to protect the cable
- Helps avoid unplanned service breakdowns with associated high repair costs

¹ CA-Sept15-Doc.6.2- Final

² A masterbatch should be regarded as a biocidal product if it is has a biocidal function. In accordance with Article 3(1)(a) of Regulation (EU) No 528/2012, destroying, deterring, rendering harmless, preventing the action of, or otherwise exerting a controlling effect on any harmful organism is a biocidal function. Among the criteria to pass and obtain authorization, Cesa™ Aversive Technologies fulfilled the mandatory requirement for authorization such as: The biocidal product is sufficiently effective, the biocidal product does not contain any substance of concern.