



RESTRICTED AREA
ATEX
ZONE 20



RESTRICTED AREA
ATEX
ZONE 21

OPEN HOUSE ATEX ZONE 22

THERE ARE NO COMBUSTIBLE/CONDUCTIVE
DUSTS TO RECOVER UNDER NORMAL CONDITIONS.

CATEGORY 1



CATEGORY 1

CATEGORY 2



CATEGORY 1

CATEGORY 2

CATEGORY 3



Managers
Office



What are you
looking for?

We are searching for
a cloud of dust.

There is no cloud of dust here yet, but in the
meantime you can clean the W.C, and all the counters,
you can clean the shelving and you can clean the walls
& ceilings. Remember it is prohibited to go into
zone 20 & 21 with a Cat 3 vacuum. Do you understand?

Yes Sir.

I hope they understand, that
zone 20 & 21 require an
EX-MAT Recovery unit!

KEEP
THIS
DOOR
CLOSED

KEEP
THIS
DOOR
CLOSED

ATEX DEFINITIONS & APPLICATIONS

OFFICIAL JOURNAL OF THE EUROPEAN COMMUNITY L23/63 CRITERIA FOR THE SELECTION OF EQUIPMENT AND PROTECTIVE SYSTEMS

If the explosion protection document based on a risk assessment does not state otherwise, equipment and protective systems for all places in which explosive atmospheres may occur must be selected on the basis of the categories set out in Directive 94/9/EC.

In particular, the following categories of equipment must be used in the zones indicated, provided they are suitable for gases, vapours or mists and/or dusts as appropriate:

- » in zone 0 or zone 20, category 1 equipment,
- » in zone 1 or zone 21, category 1 or 2 equipment,
- » in zone 2 or zone 22, category 1, 2 or 3 equipment.

CLASSIFICATION OF ZONE 22 L23/57 ANNEX I DIRECTIVE 1999/92/EC

ZONE 22

A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is not likely to occur in normal operation but, if it does occur, will persist for a short period only.

Notes:

1. Layers, deposits and heaps of combustible dust must be considered as any other source which can form an explosive atmosphere.
2. 'Normal operation' means the situation when installations are used within their design parameters.

GUARANTY OF THE MANUFACTURER

EX-MAT RECOVERY: A GUARANTY FROM THE MANUFACTURER MUST BE REQUESTED TO ENSURE THAT A VACUUM CLEANER IS DESIGNED TO SAFELY RECOVER COMBUSTIBLE/FLAMMABLE MATERIAL

Attention!! - Since "cloud of dust" is not defined, the (NFPA) National Fire Protection Agency warns that more than 0.8mm of combustible dust laying on 5% of the floor of a room is considered a threat of explosion.

Warning: For the health & safety of the user, it is our duty to denounce to the authorities anyone who violates these important rules.

