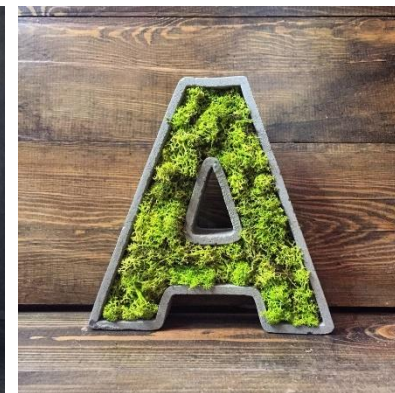


# NATURA | Moss Concepts



ZERO MAINTENANCE

PLUG AND PLAY

GREEN SOLUTIONS



# NATURA | CLIENT PORTFOLIO

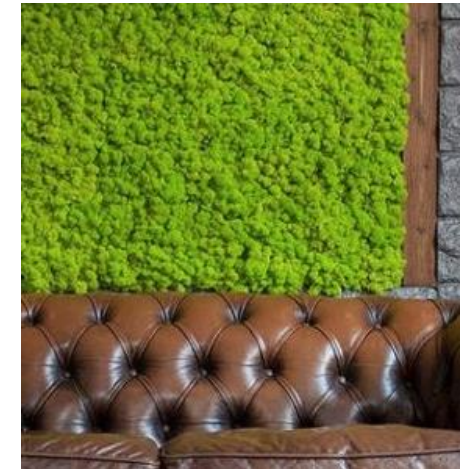


GE Global Research





- Product Origin – Norway and Finland.
- Real Preserved Reindeer Lichen Moss.
- Grows 1mm per year in its natural outdoor environment (Norway and Finland). Takes 25 years of growth before harvest.
- Natural colour is Whitish Grey. Naturally preserved using a salt based solution and artificially coloured.
- Not meant to be watered at all. Large amount of water will lead to bleeding of colour.
- Not meant to be touched and meddled with as micro-organism transfer from human beings can cause mould to grow.
- Ideal For indoor application.
- Test have been conducted and the colouring mechanism followed by our product enables the moss to have air purification capabilities. Removal of Formaldehyde, Ammonia etc. have been scientifically proven with our product.



## O2 | NATURA MOSS INSTALLATIONS – MOSS WALL

Moss walls can fit in any space under conditions where living walls aren't feasible. They offer opportunities for creativity beyond what we can do with traditional living walls with zero plant maintenance as there is no plumbing or irrigation required. Reindeer moss walls have been tested and found to have NCR ratings of 0.9, exceptionally efficient for noise reduction.

**Installation Method:** Cladding with wall / frame

**Irrigation:** No irrigation / maintenance free

**Drainage:** No Drainage

**Lighting Guide :** Astetic

**Standard Size:** Customized as required

**Grams per SFT:** 0.5 kg's per SFT

**Applicability:** Indoor

**Delivery Timeline:** 45 days

**Price:** 60 mm - Rs.2300/- per SFT





## O3 | NATURA MOSS INSTALLATIONS – MOSS FRAME

Moss walls can fit in any space under conditions where living walls aren't feasible. They offer opportunities for creativity beyond what we can do with traditional living walls with zero plant maintenance as there is no plumbing or irrigation required. Reindeer moss walls have been tested and found to have NCR ratings of 0.9, exceptionally efficient for noise reduction.

**Installation Method:** Easy Installation – wall hanging /cladding

**Irrigation:** No irrigation /maintenance free

**Drainage:** No Drainage

**Lighting Guide for insufficient natural light:** No Specific light is required

**Standard Size:**

With Fiber board Frame of 40 mm height x10 mm thick

- a. 600 mm X 600 mm
- b. 450mm x 450 mm
- c. 450mm x 600 mm
- d. Customized

**Applicability:** Indoor

**Delivery Timeline:** 45 days

**Price:**

- a. Moss wall With Fibre board Frame of 40 mm height x10 mm thick Rs 2500 per SFT
- b. Moss wall With pine wood Frame of 40 mm height x20 mm thick Rs.3200 per SFT



## O4 | NATURA MOSS WALL - PROCESS

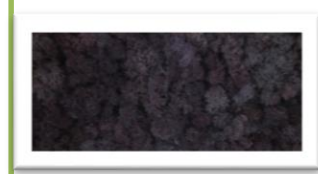
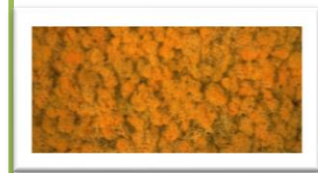
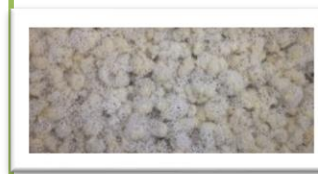
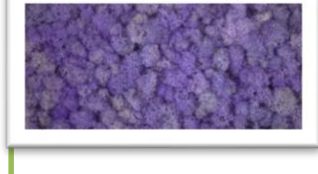
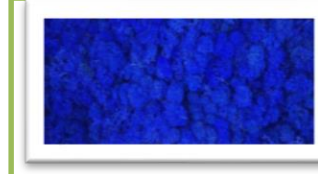
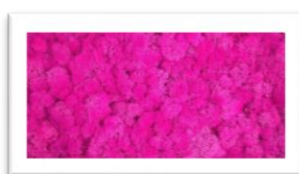
---



NATURA MOSS **SOURCING** – 25 DAYS LEAD TIME

NATURA MOSS **INSTALLATION** AT SITE 2-10 DAYS DEPENDING ON SITE CONDITION

# O5 | NATURA MOSS – COLOUR AVAILABILITY



## AMMONIA NH<sub>3</sub> Test No: CT17-006664

| Test Items                                 |         | Unit | Test method | Test Results              |                            |                          |
|--|---------|------|-------------|---------------------------|----------------------------|--------------------------|
|  |         |      |             | Blank conc. (μ mol / mol) | Sample conc. (μ mol / mol) | Conc.decreasing rate (%) |
| Deodorization test Ammonia NH <sub>3</sub> | 0 min   | %    | (1).        | 50                        | 50                         | 0.0                      |
|  | 30 min  | %    |             | 49                        | <0.2                       | 99.6                     |
|  | 60 min  | %    |             | 49                        | <0.2                       | 99.6                     |
|  | 90 min  | %    |             | 49                        | <0.2                       | 99.6                     |
|  | 120 min | %    |             | 49                        | <0.2                       | 99.6                     |

## ACETALDEHYDE CH<sub>3</sub>CHO Test No: CT17-006664

| Test Items  |         | Unit | Test method | Test Results              |                            |                          |
|---|---------|------|-------------|---------------------------|----------------------------|--------------------------|
|   |         |      |             | Blank conc. (μ mol / mol) | Sample conc. (μ mol / mol) | Conc.decreasing rate (%) |
| Deodorization test Acetaldehyde CH <sub>3</sub> CHO | 0 min   | %    | (1).        | 50                        | 50                         | 0.0                      |
|   | 30 min  | %    |             | 49                        | 20                         | 59.2                     |
|   | 60 min  | %    |             | 49                        | 20                         | 59.2                     |
|   | 90 min  | %    |             | 49                        | 20                         | 59.2                     |
|   | 120 min | %    |             | 49                        | 20                         | 59.2                     |

The Polarmoss Flex Element has been classified according to DIN EN 13501-1:2010-01 to excel in fire safety standards by MPA Dresden in Germany.

## FORMALDEHYDE HCHO Test No: CT17-006664

| Test Items                           |         | Unit | Test method | Test Results              |                            |                          |
|--------------------------------------|---------|------|-------------|---------------------------|----------------------------|--------------------------|
|                                      |         |      |             | Blank conc. (μ mol / mol) | Sample conc. (μ mol / mol) | Conc.decreasing rate (%) |
| Deodorization test Formaldehyde HCHO | 0 min   | %    | (1).        | 20                        | 20                         | 0.0                      |
|                                      | 30 min  | %    |             | 20                        | 3                          | 85.0                     |
|                                      | 60 min  | %    |             | 20                        | 3                          | 85.0                     |
|                                      | 90 min  | %    |             | 20                        | 3                          | 85.0                     |
|                                      | 120 min | %    |             | 20                        | 3                          | 85.0                     |

## TVOC Ministry of Environment 2010-24 Official Test Method Test No: CT16-083285

| Test Item (s)                           | Unit                    | Test method | Test Results      |
|---|-------------------------|-------------|-------------------|
| Total Volatile Organic Compounds (TVOC) | mg/(m <sup>3</sup> · h) | (1).        | 0.185             |
| Benzene                                 | mg/(m <sup>3</sup> · h) | (1).        | N/D (MDL 0.000 5) |
| Toluene                                 | mg/(m <sup>3</sup> · h) | (1).        | N/D (MDL 0.000 5) |
| Ethylbenzene                            | mg/(m <sup>3</sup> · h) | (1).        | 0.001             |
| Xylene                                  | mg/(m <sup>3</sup> · h) | (1).        | 0.002             |
| Styrene                                 | mg/(m <sup>3</sup> · h) | (1).        | N/D (MDL 0.000 5) |
| Formaldehyde                            | mg/(m <sup>3</sup> · h) | (1).        | N/D (MDL 0.000 5) |
| Acetaldehyde                            | mg/(m <sup>3</sup> · h) | (1).        | 0.009             |



# 07 | NATURA MOSS CONCEPTS





# O8 | NATURA MOSS CONCEPTS





# NATURA | CONNECT WITH US

ABISHEK THOMAS: +91 9900096104 | [abishek@naturaindia.com](mailto:abishek@naturaindia.com) | Chief Operations officer

SITARA THOMAS : +91 9108896123 | [sitara@naturaindia.com](mailto:sitara@naturaindia.com) | Chief Marketing officer

JANAKIRAM : +91 7348921505 | [projects@naturaindia.com](mailto:projects@naturaindia.com) | Project Manager

Natura Greentech Pvt Ltd

#44, 1st Floor, Ramya Royal Apartments, Nandidurga Road, Bangalore – 560046

