## 2.0 Resistant to hydrolysis and microbes polyurethane hoses

Synthetic materials for long-term contact with soils and similar substances or conditions of the contact areas with high pollution beneficial for the development of microbes, where hoses can be destroyed by enzymes attacking chemical bonds. In particular adverse conditions signs of damage may become visible even after the second six months. For many NORRES hoses using special high quality ether polyurethane instead of the more often used ether polyurethane for general use. Our ether polyurethane hoses have the following characteristics:

- Resistant to microbes - the chemical structure gives constant resistance of the material against microbial attack;

- hydrolysis resistant - that is serious in their application

in humid environments, high temperatures and tropical climates;

- better chemical resistance compared to ester polyurethanes;

- better flexibility at low temperatures compared to ester polyurethanes.

| Couplers, combinations of hoses (connecting parts, resistant to hydrolysis and microbes)   |
|--|
| <ul> <li>parts, resistant to hydrolysis and microbes)</li> <li>Abrasion resistant, jet inlet hose particularly suitable for vehicles cleaning of public roads, to Mowers turf grass and cleaning machines exhaust pipes of leaves. Flexible, resistant to refraction, tear, UV-rays, chemicals and mineral oils tensile strength, resistant to gas and liquids. Ability for electrostatic discharge by grounding the spiral. Material: The walls are of special additional ether polyurethane and a flexible spiral steel wire.</li> </ul> |

|  | PROTAPE PUR 330 MHF - Light weight, very                 |
|--|--|
|  | flexible 3:1 compressive - abrasion resistant            |
|  | inlet jet hose, suitable for hard                        |
|  | material such as dust, powder, fibers and small          |
|  | pieces., for the ducts of the gaseous substances such as |
| Statement Statement Statement  | gasoline vapors and fumes from welding, for              |
|  | vehicles for cleaning of public                          |
|  | roads, lawn mowers and lawn cleaning                     |
|  | machines, exhaust pipes sheets for                       |
|  | transportation of food. Super lightweight and reinforced |
|  | model. Flexible, resistant to breaking, tearing,         |
| My yes P & A   | UV-rays, chemicals and mineral oils tensile              |
| Pre-PUR <sup>®</sup> Abr. Flex Ether   | strength, resistant to gas and liquids. Ability for      |
|  | electrostatic discharge by grounding                     |
|  | the spiral.  |
| FOOD SOFTENER FREE   | Material: The walls are of special                       |
|  | additional ether polyurethane and a spiral of            |
|  | flexible steel wire.                                     |
| AUDURAR ARTING   |  |
| ANNAL AND  | AIRDUC PUR 351 MHF – Light, smooth inner                 |
|  | surface - abrasion resistant suction-                    |
|  | jet hose, suitable for hard material such as             |
|  | dust, powder, fibers and granules into small pieces, for |
| enness and the CALLUL IS SHOT  | tube of liquid and gaseous substances, for               |
|  | vehicles for cleaning of public                          |
| States and the second  | roads, lawn mowers and lawn cleaning                     |
|  | machines, exhaust pipes sheets for                       |
|  | transportation of food. Optimized                        |
|  | characteristics of the flow light and flexible,          |
|  | resistant to fire, breaking, tearing, UV-                |
|  | radiation, chemicals and mineral oils of tensile         |
| Pre-PUR® Abr. Flex Ether   | strength, gas and liquids. Ability for                   |
|  | electrostatic discharge by grounding                     |
| TTTTT FREE   | the spiral.  |
| FOOD SOFTENER  | Material: The walls are of special                       |
|  | additional ether polyurethane and a spiral of            |
|  | flexible steel wire.                                     |
| the second second  | AIRDUC PUR 355 MHF – Heavy, smooth                       |
|  | inner surface - abrasion resistant                       |
| and the second se  | inlet jet hose, suitable for hard                        |
|  | material such as dust, powder, fibers, small             |
|  | chips and pellets, for the ducts of the liquid and       |
| HALLER CONTRACTOR OF   | gaseous substances for vehicles                          |
| and a second and a second a se | cleaning of public roads, to Mowers                      |
|  | turf grass and cleaning machines                         |
| The second state of the se | Exhaust pipes sheets for transporting                    |
| HULLICIAN HANNER STATES  | food. Heavy model flexible with less weight,             |
|  | 1000. Heavy model newfore with 1655 weight,              |

| My yes C M   | increased resistance to pressure and vacuum.                  |
|--|---|
| Pre-PUR* Abr. Flex   | Optimized flow characteristics;                               |
| The of PVC   | resistant to fire, breaking, tearing, UV-                     |
|  | radiation, chemicals and mineral oils of resistant            |
| FLAME FOOD SOFTENER  | strength, gas and liquids, ability of                         |
| 1  | electrostatic discharge by grounding                          |
| RETARD   | the spiral.   |
| [ער]]  | Material: The walls are of special                            |
| [כו]   | additional ether polyurethane and a spiral of                 |
|  | flexible steel wire.  |
|  | AIRDUC PUR 356 MHF – Ultra hard, smooth                       |
|  | inner surface, vacuum tested -                                |
|  | Abrasion resistant suction hose, transmission,                |
|  | extremely abrasive particles at high flow                     |
|  | as sand, gravel, remains of glass and small                   |
|  | pieces, for the ducts of the gaseous and liquid               |
|  | substances for vehicles to clean                              |
|  | public roads, lawn mowers and                                 |
|  | lawn cleaning machines, exhaust pipes                         |
|  | for leaves for transporting food. Super heavy                 |
|  | model, internal reinforcing wire and covered                  |
| My yes and the   | with resin. Heavy model flexible with less weight,            |
| Pre-PUR <sup>+</sup> Abr. Ether  | increased resistance to pressure and vacuum.                  |
|  | Optimized flow characteristics;                               |
|  | resistant to fire, breaking, tearing, UV-                     |
| FOOD SOFTENER  | radiation, chemicals and mineral oils of resistant            |
|  | strength, gas and liquids, ability of                         |
|  | electrostatic discharge by grounding                          |
|  | spiral.   |
|  | Material: The walls are of special                            |
|  | additional ether polyurethane and a spiral of                 |
|  | flexible steel wire.  |
| and the second sec   | <b>CP PUR 455 MHF</b> – Ultra light weight, high flexibility, |
| and the second second  | compresion qualities 5:1, Ø to 1000 mm -                      |
| and the second sec   | Abrasion resistant suction hose jet,                          |
|  | suitable for hard material such as dust, powder,              |
| Control Contro | fibers into small pieces, for the ducts of the liquid and     |
|  | gaseous substances such as fumes and smoke to                 |
| William State  | transportation of food. With high flexibility and             |
|  | compresion qualities resistant to tensile and tear,           |
|  | protected from scratches with an external profile             |
|  | parentheses. Sustainable grip the walls of                    |
|  | profile with clamps; Resistant to UV-rays                     |
| My yes man the V   | chemicals and mineral oils resistant strength,                |
| Pre-PUR* Abr. Flex Ether FOOD  | gas and liquids.  |
|  | Material: They are made of special                            |
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