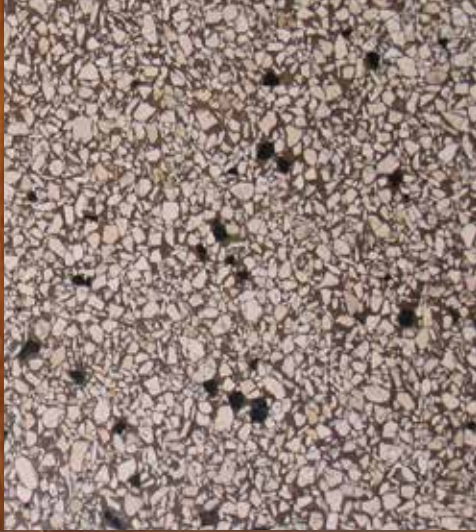


ADDAPT
Chemicals BV



for tomorrow's
Technology

Protective Care Systems



for tomorrow's

World

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1. Introduction

ADDAPT Chemicals BV offers a comprehensive range of products to be used where cleaning, preservation and protection of a substrate is required to maintain an attractive surface which is easily and cost effectively maintained.

All products are waterborne systems, developed to protect porous substrates like: Cement, Concrete, (Sand)Stone, Wood, Cork as well as non-porous substrates like: Metal, Vinyl, Linoleum, Rubber, terrazzo, Marble.

2. Products

2.1 Graffiti Block System

Lauded by some and condemned as vandalism by others, tagging - writing one's name or "tag" on a public surface - has a storied history. It is reputedly traced to one teenager who wielded a can of spray paint in 1972. Taki, a Greek-American teen, decorated the underground walls of New York City's subway system with his tag and street number, "Taki 183". Other teens in the area followed his example, spreading the trend to the Bronx, Queens, and Brooklyn and eventually throughout the world.



Like folk art, graffiti offers a snapshot of culture. Ancient graffiti found in Pompeii championed certain gladiators. Scribbling found in ancient Egypt depicted rude caricatures, election addresses, and poems. Contemporary graffiti is more likely to reflect the plight of urban youth. A piece displayed at the "Graffiti 2000: Uptown Soul" exhibit in Harlem centred on racial profiling.

The Brooklyn exhibit was getting mixed reviews, with some patrons complaining about the limited number of graffiti paintings on display. Perhaps museum curators were worried that patrons might sympathize with the early Romans who implored graffiti artists with a message of their own. One inscription begged artists to stop scribbling on the walls (*Source: Encyclopedia Britannica*).

ADDAPT® GBS 100W

This is a non-flammable and spayable water-borne sacrificial protective coating and Graffiti Block System that prevents Graffiti from touching painted or unpainted porous substrates.

To spray the GBS 100W it should be diluted 1:1 with water.

Effective "repellency" takes place within six hours. A second treatment can be applied within three hours of the first to provide added protection if required. Absorption rates will depend on the porosity of the substrate and the precise method of application. However typical application rates are 3 - 8 m²/litre (diluted version).

2.2 Floor Polish Concentrates

The XYNTRA® range of floor polish concentrates based on the Xynpol hard metal salts containing and metal free acrylic copolymers and hard metal containing Styrene/Acrylic copolymers, ADDAPT® WaxMul™ wax emulsions and in some cases ADDAPT® BioWet™ wetting and levelling agents and ADDAPT® Foamstop™ foam control agents.

| | |
|-------------------------|---|
| XYNPOL® A 340MCC | Metal salt containing – Acrylate copolymer based Floor Polish Concentrate. Gives dry bright tough/hard films with excellent traffic and black heel mark resistance. The final product is high speed buffable. |
|-------------------------|---|

| | |
|-------------------------|---|
| XYNPOL® A 342MCC | Metal-salt containing – Acrylate copolymer based Floor Polish Concentrate. Gives dry bright tough/hard films with excellent traffic resistance, black heel mark resistance and slip resistance. |
|-------------------------|---|

The range is completed by a floor sealer concentrate based on an adhesion promoted acrylic emulsion XYNPOL® PA 320MF.

| | |
|-------------------------|--|
| XYNPOL® A 345MCC | Metal-free Floor Sealer Concentrate recommended for sealing porous substrates. |
|-------------------------|--|

These products are offered as an additional service to those customers who do not have adequate blending facilities.

2.3 Acrylic and Styrene/Acrylic Copolymer Emulsions

The range includes Acrylic copolymer emulsions Acrylates and Styrene/Acrylic copolymers with both metal-free and metal-crosslinking materials.

| | |
|-------------------------|---|
| XYNPOL® PA 317MF | Metal-free Acrylic copolymer emulsion; suitable as additive with dirt-repellent properties and as film former in clear dry bright floor polishes. |
|-------------------------|---|

| | |
|-------------------------|--|
| XYNPOL® PA 325MC | Metal-salt containing Acrylic copolymer emulsion. Gives tough/hard films with excellent traffic resistance. Provides good wetting. |
|-------------------------|--|

| | |
|-------------------------|--|
| XYNPOL® PA 320MF | Metal-free Acrylic copolymer emulsion. Recommended for interior and exterior floor polishes with excellent adhesion. Very suitable for formulating high gloss shoe and leather polishes. |
|-------------------------|--|

| | |
|-------------------------|---|
| XYNPOL® SA 305MC | Metal-salt containing Styrene/Acrylic emulsion. Gives alcohol resistant clear, glossy, tough films. Suitable for easy removable buffable films. |
|-------------------------|---|

| | |
|-------------------------|--|
| XYNPOL® SA 310MC | Metal-salt containing Styrene/Acrylic emulsion. Gives dry bright tough hard films with good wetting properties, traffic and slip resistance. |
|-------------------------|--|

2.4 WaxMul™ - Wax Emulsions

Wax emulsions are used to impart adhesion, buffability and slip resistance to (floor) polishes. ADDAPT Chemicals BV offers a comprehensive range of wax emulsions for Protective Care Systems.

| | |
|------------------------------|---|
| ADDAPT® WaxMul™ WM 15 | High melting point (MP: 107 °C) PE - Wax emulsion; for non-buffable Floor Polishes. |
|------------------------------|---|

| | |
|------------------------------|--|
| ADDAPT® WaxMul™ WM 25 | High melting point (MP: 140 °C) PE - Wax emulsion; for non-buffable, traffic resistant Polishes. |
|------------------------------|--|

| | |
|-------------------------------|--|
| ADDAPT® WaxMul™ WM 35 | High melting point (MP: 138 °C) PE - Wax emulsion; improves (machine) buffability of Polishes. |
| ADDAPT® WaxMul™ WM 45 | PP-Wax emulsion with (MP: 160 °C): improves Surface Hardness and Blocking Resistance. |
| ADDAPT® WaxMul™ WM 110 | PE/Paraffin - Wax emulsion; gives hydrophobic properties and a Matting effect (MP: 50-110 °C). |
| ADDAPT® WaxMul™ WM 120 | PE/Paraffin - Wax emulsion; gives buffable films with excellent Gloss. |
| ADDAPT® WaxMul™ C125 | T1-Carnauba wax - Emulsion; improves Surface slip properties and buffability. |
| ADDAPT® WaxMul™ C325 | T3-Carnauba wax - Emulsion; improves Surface slip properties and buffability. |

2.5 BioWet™ - Wetting/Levelling Agents

Water based systems have significantly higher surface tension compared to their solvent based counterparts. Waterborne systems do often contain high-foaming wetting agents. These surfactants can lead to undesired properties such as entrapped air, foam formation. In order to tackle these features, the formulator adds air release agents and foam control agents to the formulated system. However, the wrong choice of foam control agents can lead again to other problems such as crater formation and also flow properties can be negatively influenced.

ADDAPT® BioWet™ grades are extra ordinary revolutionary, VOC free; aerobic as well as anaerobic biodegradable; non-ionic wetting agents developed for water-born and water-based applications. BioWet™ 25, BioWet™ 75 and BioWet™ 450R are among the few wetting agents not exhibiting any foam tendency. This non-foaming feature enables the formulator to produce systems free (or a minimum amount) of Foam Control Agents.

The BioWet™-products consists of a range of surface tension modifiers that do not carry R- or S-phrases and do exhibit one or a combination of dynamic, static surface tension wetting performance and/or emulsifying properties.

The backbone structure is a multi-alcohol structure; the functional groups being responsible for the excellent adhesion and wetting properties. The additives are 100% water-soluble and do not contain any co-solvents nor does it need solvents to be dissolved in water-based and water-borne systems.

For detailed information the reader is referred to: **'BioWet - Wetting/Levelling Agents' brochure**
This brochure is available at your local distributor or via our website: www.addapt-chem.com.

2.6 Foamstop™ - Foam Control Agents

ADDAPT Chemicals BV offers a broad range of often FDA-approved Foam Control Agents for applications like Coatings, Lubricants, Food/Feed processing and for the Protective Care and Cleaner/Detergents industry.

A special grade of complete water soluble FCA has been developed for clear systems where turbidity is highly undesirable. These FCA's (with the exception of ADDAPT® Foamstop™ 150N) are effective over a wide pH range (2 to 12).

| | |
|-------------------------------|--|
| ADDAPT® Foamstop™ 100N | T3-Carnauba wax - Emulsion; improves Surface slip properties and buffability. |
| ADDAPT® Foamstop™ 150N | Water-soluble; transparent systems, Curtain coating and Spray applications. For systems with pH >4.5 |
| ADDAPT® Foamstop™ 400N | Complete water-soluble; for use in transparent systems, Aerosols, Cleaning Baths. |
| ADDAPT® Foamstop™ 600N | Water-soluble; PAG-based FCA; for use in Polishes and Cleaners. |

For detailed information the reader is referred to: **‘Coating Additives’ brochure; including the Foam Control Agents selection guide.** This brochure is available at your local distributor or via our website: www.addapt-chem.com.

2.7 Surface Cleaners

Certain soiled and dirty surfaces might require cleaning before applying Protective Care products. ADDAPT Chemicals BV offers some heavy-duty alkaline cleaners:

| | |
|--------------------------|--|
| ADDAPT® Clean BD | Highly concentrated heavy duty cleaner with high pH-value >12; biodegradable. |
| ADDAPT® Clean MoB | Highly concentrated very efficient metal cleaner with pH-value >12; compatible with Aluminium. |

3. Formulation Guide

3.1 Floor Care

3.1.1 The Floor Care concept

Over the years it has been proven that consequent and adequate use of Protective Floor Care Systems enables both economical and ecological hygienic and optical protection of (industrial) floorings.

ADDAPT and Xyntra Chemicals BV offer a concept for the cleaning and protection of so-called hard floor surfaces like Terrazzo, Marble, PVC, Linoleum, Parquet etc.

The concept is based on the application of a protective film with a sufficient layer thickness and creating a hygienic and optical Flooring system via regular cleaning and protective care measures.

- **Sealer / Primer**
Porous substrates require a sealer or primer. These systems offer an ideal basic adhesive layer for the actual protective film. Also they fill small cracks and voids gives smooth (final) film layers.

Basis: XYNPOL® PA 317MF and XYNPOL® PA 320MF.

- **Protective film - Floor Polishes**

This component is the most essential part of the system. Because of this these protective films must fulfil following requirements:

- Very good traffic resistance;
- Good dirt repellence;
- Buffable with Super-High-Speed machines;
- Strippable with adequate alkaline cleaners.

Basis: XYNPOL® PA 325MC, XYNPOL® SA 310MC and ADDAPT® WaxMul™ WM 35.

- **Wash/Wax - Floor maintainer systems**

This component is used for both thorough cleaning and quick restoring purposes.

Basis: XYNPOL® PA 317MF, XYNPOL® PA 325MC, XYNPOL® SA 305MC, XYNPOL® SA 310MC and ADDAPT® WaxMul™ WM 35.

- **Spraycleaner - Restorer**

In case the required appearance of the protective film can no longer be restored using a floor maintainer system.

Using this system severe traffic markings can be restored using SHS-machines.

Basis: XYNPOL® SA 310MC, XYNPOL® PA 325MC and ADDAPT® WaxMul™ WM 35.

- **Surface Cleaners - Strippers**

These systems are used to remove the protective film in case of irreparable damage.

Application:

Sealer - Depending on the porosity of the surface, one or two layers of a sealer should be applied.

Protective film - On sealed or non-porous floors it is recommended to apply three thin films of a Floor Polish. Care should be taken that each film is completely dry before applying a next layer. Only after two days the optimum traffic/resistance will be reached.

Wash and Wax - Floor maintainer – For regular floor maintenance the Floor maintainer should be applied diluted (1:40) via the “Wash and Wax” principle. In case of severe traffic marks the system should be used as is, using a SHS-machine.

3.1.2 Floor Sealers

High Solids Floor Sealer

This is a general purpose high solids sealer formulation. It is advisable to also include a preservative (e.g. Acticide LA01614) when stored for a prolonged period of time.

| Component | pbw |
|--------------------------|---------------|
| Water | 21.80 |
| Tributoxyethyl phosphate | 0.70 |
| ADDAPT® Foamstop™ 600N | 0.30 |
| ADDAPT® BioWet™ 75 | 0.20 |
| XYNPOL® PA 320MF | 54.50 |
| Acticide LA0614 | 0.10 |
| Rheolate 278 | 0.30 |
| Butyl Glycol | 0.20 |
| Butyl Diglycol | 0.20 |
| Propylene Glycol | 0.50 |
| | 100.00 |
| Solid content: 33 ± 1% | |

Medium Solids Floor Sealer

The formulations should be adjusted with conc. Ammonia to pH 8-9. After pH adjustment stir for an additional 30 minutes and re-check the pH.

| Component | pbw |
|--------------------------|---------------|
| Water | 48.30 |
| Tributoxyethyl phosphate | 0.70 |
| Ethylenediglycol | 4.50 |
| XYNPOL® PA 320MF | 45.00 |
| CAPSTONE® FS3X - range | 1.50 |
| | 100.00 |
| Solid content: 20 ± 1% | |

Low Solids Floor Sealer

| Component | pbw |
|--------------------------|---------------|
| Water | 65.20 |
| Tributoxyethyl phosphate | 0.50 |
| Dowanol DPM | 4.30 |
| Propylene Glycol | 1.80 |
| XYNPOL® PA 320MF | 27.10 |
| Acticide LA0614 | 0.10 |
| CAPSTONE® FS3X - range | 1.00 |
| | 100.00 |
| Solid content: 13 ± 1% | |

3.1.3 Floor Polish Products - Buffable

Floor Polish Concentrates

This is a metal-salt containing concentrate with a polymer: wax solid ratio between 1 and 4.

| Component | pbw |
|--------------------------|---------------|
| Water | 17.25 |
| Tributoxyethyl phosphate | 3.00 |
| Ethylenediglycol | 3.40 |
| Butyldiglycol | 1.70 |
| XYNPOL® PA 325MC | 59.00 |
| ADDAPT® WaxMul™ WM 35 | 14.50 |
| CAPSTONE® FS3X - range | 1.00 |
| Acticide LA0614 | 0.10 |
| ADDAPT® Foamstop™ 600N | 0.05 |
| | 100.00 |
| Solid content: 30 ± 1% | |

Polishes for I&I applications:

To obtain a 20% polis, dilute 2 parts with 1 part water. Application of 2-3 layers results in a slip- and traffic resistant film.

Polishes for domestic use:

An excellent polish is obtained when diluting 1:1 with water. Higher dilution rates are possible.

Stone Care Polishes (Terrazzo, Marble):

To obtain a good quality polish, dilute 40% with 55% water and 5% ADDAPT® BioWet™ 75.

High Gloss Buffable Polish Concentrate

This is a metal-salt containing premium quality floor polish with an adequate wax amount for buffability. The product gives good gloss and flow.

| Component | pbw |
|--------------------------|---------------|
| Water | 30.55 |
| Tributoxyethyl phosphate | 1.00 |
| Dowanol DPM | 3.00 |
| ADDAPT® BioWet™ 75 | 0.80 |
| Alresat 640C (25%) | 4.00 |
| XYNPOL® SA 310MC | 46.50 |
| ADDAPT® WaxMul™ WM 35 | 13.00 |
| CAPSTONE® FS3X - range | 1.00 |
| Acticide LA0614 | 0.10 |
| ADDAPT® Foamstop™ 600N | 0.05 |
| | 100.00 |
| Solid content: 25 ± 1% | |

For a **metal-free ultra high gloss version** it is recommended to substitute XYNPOL® SA 310MC with **XYNPOL® PA 320MF**.

To obtain a variation with **high slip resistance**, it is recommended to use ADDAPT® WaxMul™ WM 120 (to be corrected for the solid content).

The above formulations should be adjusted with conc. Ammonia to pH 8-9. After pH adjustments stir for an additional 30 minutes and re-check the pH. Alternatively ADDAPT® CODIS™ 95 can be used.

3.1.4 Floor Polish Products Semi-Buffable

These formulations all utilise polymer to wax solids ratios of around six making them semi- buffable but durable. These are all metal-free solids polishes for general household use.

Household Floor Polish

| Component | pbw |
|--------------------------|---------------|
| Water | 57.50 |
| Tributoxyethyl phosphate | 2.20 |
| Alresat 640C (35%) | 3.60 |
| XYNPOL® SA 305MC | 30.00 |
| ADDAPT® WaxMul™ WM 35 | 5.60 |
| CAPSTONE® FS3X - range | 1.00 |
| Acticide LA0614 | 0.10 |
| | 100.00 |
| Solid content: 16 ± 1% | |

Industrial Semi-Buffable Floor Polish

| Component | pbw |
|--------------------------|---------------|
| Water | 48.80 |
| Tributoxyethyl phosphate | 1.00 |
| Dowanol DPM | 3.00 |
| Arkopal N060 | 0.80 |
| XYNPOL® SA 310MC | 38.30 |
| ADDAPT® WaxMul™ WM 35 | 7.00 |
| CAPSTONE® FS3X - range | 1.00 |
| Acticide LA0614 | 0.10 |
| | 100.00 |
| Solid content: 18 ± 1% | |

High Gloss Semi-Buffable Floor Polish

| Component | pbw |
|--------------------------|---------------|
| Water | 41.40 |
| Tributoxyethyl phosphate | 2.00 |
| Dowanol DPM | 5.00 |
| Arkopal N060 | 0.50 |
| Alresat 640C (35%) | 3.00 |
| XYNPOL® SA 310MC | 40.00 |
| ADDAPT® WaxMul™ WM 35 | 7.00 |
| CAPSTONE® FS3X - range | 1.00 |
| Acticide LA0614 | 0.10 |
| | 100.00 |
| Solid content: 21 ± 1% | |

3.1.5 Wash and Wax Floor maintainers

Floor Maintainer Concentrate

This is a **metal-free** concentrate developed for high dilution ratios. Excellent buffability and improved cleaning is obtained due to the high polymer: wax solid ratio (almost 1:4) and the use of ADDAPT® BioWet™ 75 in combination with a surfactant.

| Component | pbw |
|--------------------------|---------------|
| Water | 2.35 |
| Tributoxyethyl phosphate | 3.00 |
| Genapol OX080 | 0.75 |
| ADDAPT® BioWet™ 75 | 0.75 |
| XYNPOL® PA 325MC | 44.50 |
| ADDAPT® WaxMul™ WM 35 | 47.50 |
| CAPSTONE® FS3X - range | 1.00 |
| Acticide LA0614 | 0.10 |
| ADDAPT® Foamstop™ 600N | 0.05 |
| | 100.00 |
| Solid content: 35 ± 1% | |

Floor Maintainer - Buffable

This is a metal-salt containing product giving good buffability and traffic resistance.

| Component | pbw |
|--------------------------|---------------|
| Water | 67.85 |
| Tributoxyethyl phosphate | 0.40 |
| Genapol OX080 | 0.50 |
| Genapol T500 | 0.10 |
| Ethylenediglycol | 1.30 |
| XYNPOL® PA 325MC | 16.25 |
| ADDAPT® WaxMul™ 35 | 12.25 |
| CAPSTONE® FS3X - range | 1.10 |
| | 100.00 |
| Solid content: 10 ± 1% | |

3.1.6 Spraycleaners - Restorers

Spraycleaner for Hard floor surfaces

This spraycleaner can be used to restore severe traffic marks. This spraycleaner is high speed machine buffable.

| Component | pbw |
|--------------------------|---------------|
| Water | 79.35 |
| Tributoxyethyl phosphate | 0.70 |
| Ethylenediglycol | 0.80 |
| Butyldiglycol | 0.40 |
| ADDAPT® BioWet™ 75 | 0.75 |
| XYNPOL® PA 325MC | 13.80 |
| ADDAPT® WaxMul™ 35 | 3.00 |
| CAPSTONE® FS3X - range | 1.00 |
| Acticide LA0614 | 0.10 |
| ADDAPT® Foamstop™ 600N | 0.10 |
| | 100.00 |
| Solid content: 7 ± 1% | |

3.1.7 Strippers and Surface Cleaners

Stripper formulation - Concentrate

This stripper formulation is developed for fast removal of both metal free and metal containing floor polishes.

This stripper concentrate is normally diluted 1:4 with water. In case the polish is difficult to remove, it should be used as is.

| Component | pbw |
|--------------------|---------------|
| Water | 66.50 |
| Aquamollin BC | 0.50 |
| ADDAPT® CODIS™ 95 | 3.00 |
| Alresat 640C (35%) | 4.50 |
| Olein | 4.50 |
| Butyl Glycol | 7.00 |
| Benzyl Alcohol | 12.00 |
| ADDAPT® BioWet™ 75 | 1.00 |
| Ammonia | 1.00 |
| | 100.00 |

Stripper/Cleaner - Concentrate

This cleaner concentrate is based on ADDAPT® Clean BD or MoB and, depending on the degree of dirt, should normally be diluted 1:3 - 1:20 with water. ADDAPT® Clean BD or MoB can be pre-mixed 4:1 with ammonia and used as above to remove metal containing polishes.

3.2 Wood Care

Wood Polish

This is a low solids metal-salt containing maintainer polish with good buffability. Low viscosity makes it suitable for trigger-spray applicators.

| Component | pbw |
|--------------------------|---------------|
| Water | 66.25 |
| ADDAPT® Foamstop™ 150N | 0.05 |
| Acticide LA0614 | 0.10 |
| Arkopal N060 | 0.50 |
| Tributoxyethyl phosphate | 1.00 |
| ADDAPT® WaxMul™ WM 35 | 16.10 |
| XYNPOL® SA 310MC | 15.00 |
| CAPSTONE® FS3X - range | 1.00 |
| | 100.00 |
| Solid content: 13 ± 1% | |

Furniture Polish

This is a metal free, low viscosity furniture polish. A softer 'feel' is achieved if ADDAPT® WaxMul™ WM 120 is substituted for ADDAPT® WaxMul™ WM 35.

| Component | pbw |
|------------------------|---------------|
| Water | 66.65 |
| ADDAPT® Foamstop™ 600N | 0.05 |
| Hostaphat L327 | 0.50 |
| Silicone Emulsion E10 | 11.40 |
| ADDAPT® WaxMul™ WM 35 | 1.40 |
| XYNPOL® PA 317MF | 10.00 |
| Preservative | 0.10 |
| | 100.00 |
| Solid content: 12 ± 1% | |

Stains: Garden Furniture and Fences

These formulations provide cost effective durable stains for garden fences, sheds and garden furniture, showing enhanced water shedding, even at low temperatures (-5 °C). These formulations will avoid the so undesirable dirt pick- up characteristics associated with low MFFT polymers due to their unique crosslinking ability under UV/Daylight.

Quality → FS 1 > FS 2
 Cost ← FS 1 < FS 2

Fence Stains: FS 1 - Dark Brown

| Component | pbw |
|-------------------------|---------------|
| Water | 76.00 |
| ADDAPT® Foamstop™ CC 11 | 0.15 |
| ADDAPT® WaxMul™ WM 110 | 2.50 |
| Acticide BX | 0.30 |
| ADDAPT® HS 51C | 2.50 |
| 0.88 Ammonia | 0.05 |
| Colanyl Black BX | 0.50 |
| Colanyl Yellow RX | 1.50 |
| Colanyl Red SX | 1.50 |
| XYNPOL® AO 557L | 10.00 |
| XYNPOL® SA 305MC | 5.00 |
| | 100.00 |
| Solid content: 9 ± 1% | |

Fence Stains: FS 2 - Dark Brown

| Component | pbw |
|-------------------------|---------------|
| Water | 77.50 |
| ADDAPT® Foamstop™ CC 11 | 0.15 |
| ADDAPT® WaxMul™ WM 110 | 2.50 |
| Acticide BX | 0.30 |
| ADDAPT® HS 41C | 4.00 |
| 0.88 Ammonia | 0.05 |
| Colanyl Black BX | 0.50 |
| Colanyl Yellow RX | 1.50 |
| Colanyl Red SX | 1.50 |
| XYNPOL® AO 557L | 8.50 |
| XYNPOL® SA 305MC | 3.50 |
| | 100.00 |
| Solid content: 10 ± 1% | |

3.3 Leather Care

Shoe Care Polish - White

This is a white Shoe Care Polish for self-shine shoe protection.

| Component | pbw |
|------------------------|---------------|
| Water | 41.10 |
| Solan E | 3.90 |
| Monopolbrillantöl | 1.40 |
| Isopropanol | 1.40 |
| XYNPOL® PA 320MF | 15.40 |
| ADDAPT® WaxMul™ WM 120 | 13.80 |
| CAPSTONE® FS3X - range | 1.60 |
| ADDAPT® Foamstop™ 600N | 0.30 |
| Lepton-White | 21.10 |
| | 100.00 |
| Solid content: 36 ± 1% | |

Dry Bright Shoe Care Emulsion

This is a low viscosity self-shine shoe emulsion for bottle-and-applicator packaging. The emulsion contains a metal-salt.

| Component | pbw |
|--------------------------|---------------|
| Water | 62.90 |
| ADDAPT® Foamstop™ 150N | 0.05 |
| Acticide LA0614 | 0.05 |
| Tributoxyethyl phosphate | 2.00 |
| ADDAPT® WaxMul™ WM 120 | 24.00 |
| XYNPOL® SA 305MC | 10.00 |
| CAPSTONE® FS3X - range | 1.00 |
| | 100.00 |
| Solid content: 15 ± 1% | |

Leather Care Emulsion - Buffable (1)

This is a highly buffable, metal-salt leather care containing emulsion with low viscosity. It is suitable for use even on sensitive leather.

| Component | pbw |
|------------------------|---------------|
| Water | 57.60 |
| ADDAPT® Foamstop™ 600N | 0.05 |
| Acticide LA0614 | 0.05 |
| Silicone Emulsion 10 | 24.70 |
| Genapol UD050 | 0.30 |
| ADDAPT® WaxMul™ WM 120 | 14.30 |
| XYNPOL® SA 305MC | 3.00 |
| | 100.00 |
| Solid content: 10 ± 1% | |

Leather Care Emulsion - Buffable (2)

This is a matt buffable, metal free leather care emulsion.

| Component | pbw |
|------------------------|---------------|
| Water | 76.30 |
| Genapol T 110 | 0.50 |
| Solan E | 0.50 |
| ADDAPT® Foamstop™ 600N | 0.50 |
| Ethylene Glycol | 0.50 |
| Isopropanol | 3.00 |
| XYNPOL® PA 320MF | 4.30 |
| ADDAPT® WaxMul™ WM 110 | 13.40 |
| CAPSTONE® FS3X - range | 1.00 |
| | 100.00 |
| Solid content: 7 ± 1% | |

3.4 Car Care

Black Reviving Car Polish

This is a reviving emulsion polish for interior/ exterior use on plastic and rubber car parts, including bumper and interior trim.

| Component | pbw |
|------------------------|---------------|
| Water | 39.00 |
| Ethanol | 8.00 |
| Butyl Glycol | 2.00 |
| ADDAPT® Foamstop™ 150N | 0.05 |
| Acticide LA0614 | 0.05 |
| ADDAPT® WaxMul™ WM 110 | 21.90 |
| XYNPOL® PA 320MF | 26.00 |
| ADDAPT® BioWet™ 450R | 0.50 |
| Colanyl Black PR | 2.50 |
| | 100.00 |
| Solid content: 22 ± 1% | |

Interior Trim Clear Emulsion Polish

This is a clear reviving emulsion polish for interior use on the trim.

| Component | pbw |
|------------------------|---------------|
| Water | 44.00 |
| Butyl Glycol | 2.00 |
| ADDAPT® Foamstop™ 600N | 0.05 |
| Acticide LA0614 | 0.05 |
| ADDAPT® WaxMul™ WM 110 | 21.90 |
| XYNPOL® PA 305MC | 31.50 |
| ADDAPT® BioWet™ 450R | 0.50 |
| | 100.00 |
| Solid content: 20 ± 1% | |

Car Polish - Solvent free

This is an abrasive polish for use on exterior weathered lacquers. It removes small dirt particles embedded in the lacquer and provide a Buffable wax layer based on a natural Carnauba Wax.

| Component | pbw |
|------------------------|---------------|
| Water | 55.00 |
| Rhodorsil 47V300 | 12.00 |
| ADDAPT® DISP™ 600 | 3.00 |
| ADDAPT® AS 400 | 7.50 |
| ADDAPT® WaxMul™ C325 | 2.50 |
| Calcium Carbonate < 5μ | 20.00 |
| | 100.00 |

Note:

Dissolve ADDAPT® AS 400 and DISP™ 600 slowly in water. Stir into this solution, in following order:

- Calcium Carbonate
- Rhodorsil 47V300
- ADDAPT® WaxMul™ C325

Stir until the Calcium Carbonate is homogeneous dissolved. Adjust pH to 8-9 with ADDAPT® CODIS™ 95. The viscosity will increase to a paste-like solution (Sodium Hydroxide can be used; the amount of water has to be corrected accordingly).

3.5 Carpet Care

XYNPOL® A 370C is a shampoo-concentrate for the cleaning of carpets. XYNPOL® A 370C is an acrylic polymer dispersion system stabilised with phosphate-free surface active component.

To produce an effective end product based on XYNPOL® A 370C the following starting formulation is recommended for a typical level of soiling:

- 33% XYNPOL® A 370C
- 66% deionised water
- 0.1% approx. preservative
- (A perfume can also be incorporated)

The ingredients should be carefully incorporated in order to avoid foam formation. The preservative should be pre-diluted 1:1 with deionised water prior to addition.

The formulated system is applied by spray or other standard application machinery used for domestic or I&I carpet care.

The formulated system effectively cleans the carpet, leaving a polymeric dry residue which does not adhere to the carpet fibres and prevents re-soiling. It is easily removed with a vacuum cleaner.

Depending on the level of soiling, the end-user is advised to use 30 - 90 ml of XYNPOL® A 370C/litre of deionised water, preferably at 40 °C. In cases of heavy soiling, it is advised to use the product undiluted and leave for 5 - 10 minutes. Usage of XYNPOL® A 370C can reduce allergens often present in carpets.

4. Supplier Guide

Raw Material Suppliers Index

| | |
|---|---|
| ADDAPT Chemicals BV www.addapt-chem.com | <ul style="list-style-type: none">• ADDAPT® BioWet™• ADDAPT® Clean BD and MoB• ADDAPT® CODIS™ 95• ADDAPT® Foamstop™• ADDAPT® Graffiti Block System (GBS)• ADDAPT® HydroSeal (HS)• ADDAPT® WaxMul™ |
| Clariant www.clariant.com | <ul style="list-style-type: none">• Arkopal• Colanyl• Genapol• Hostaphat |
| DuPont www.dupont.com | <ul style="list-style-type: none">• CAPSTONE® |
| FMC (UK) Ltd | <ul style="list-style-type: none">• Tributoxo ethyl phosphate |
| Aug. Hedinger GmbH & Co. www.hedinger.de | <ul style="list-style-type: none">• Alresat 640C |
| Rheox www.rheox.com | <ul style="list-style-type: none">• Rheolate 278 |
| Thor www.thor.com | <ul style="list-style-type: none">• Acticide |
| Wacker www.wacker.de | <ul style="list-style-type: none">• Silicone Emulsion E10 |
| XYNTRA Chemicals BV www.xyntra.com | <ul style="list-style-type: none">• XYNPOL® |

CONTACT INFORMATION

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Liability

All recommendations for the use of our products, whether given by us in writing, oral, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Under no circumstances shall Seller be liable for incidental, consequential or indirect damage for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with product(s). Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has/have not been tested for, and is/are therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin or blood is intended, or for uses for which implantations within the human body is intended.

