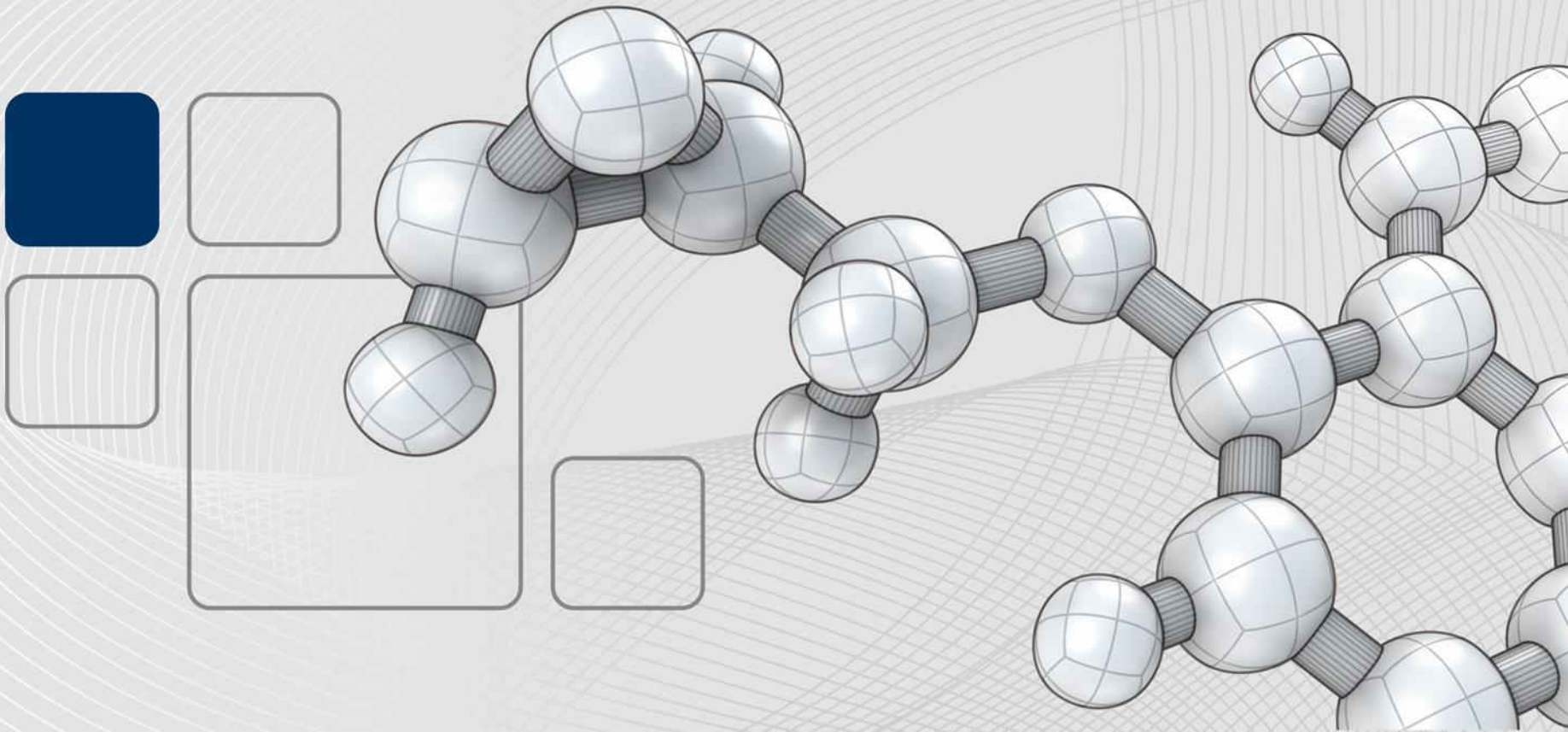


Araldite® / Aradur® 2K-Epoxy Systems

Core Portfolio Coating and Construction
2017



- Typical resin
- Flooring
- Mortar, Repair, Injection System



Epoxy Resins for Construction Applications

Araldite® GY 783

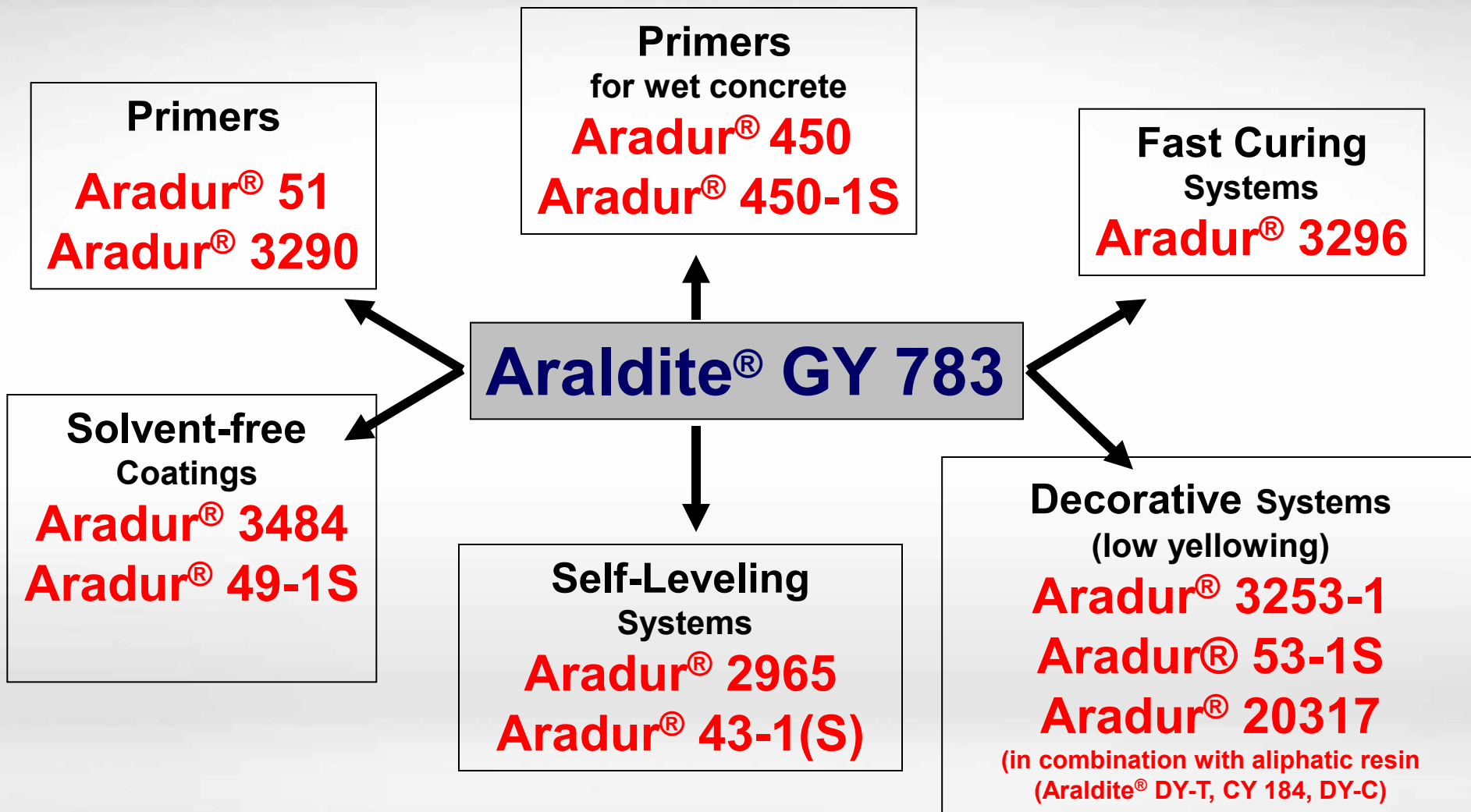
- ,Allround Type‘ Resin
- Non-crystallizing Bisphenol A / Bisphenol F – Resin
- Containing a monofunctional, aliphatic reactive diluent with low vapour pressure

Araldite® PY 302-2

- Absolutely non-crystallizing Bisphenol A/F – Resin offering low viscosity
- Building block for tailor-made resin formulations in combination with reactive diluents

Several grades of BisA-, BisF-Resins and Reactive Diluents of different chemistries are available on request for adjusting properties of tailor-made formulations.

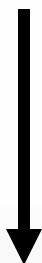
System Recommendations Construction



Mortar, Repair, Injection System

Araldite® GY 253

(Standard low viscosity resin for flooring with better mechanical properties)



Mortar Flooring

Aradur® 2963-1
Aradur® 46-1(S)

- **Araldite® BY 158** (very low viscosity but High mechanical properties)
- **Araldite® PY 302-2** (good all rounder)
- **Araldite® DY-T** (Fast Reactive Diluent)



Repair Mortar, Concrete injection systems, Adhesive for concrete

Aradur® 20250

Aradur® 2992

Ara®Cool 3077

- Anti-corrosion

High Solid Systems for Metal Substrates Solvent free

- Chemical resistance



- Chemically modified Solid Resin offering low viscosity
- Less solvent need to achieve VOC-compliant formulations/systems
- Also usable in traditional solvent-borne formulations

Advantages:

- Excellent flexibility
- Good corrosion protection
- Good (intercoat) adhesion

To be considered:

- Limited shelf life

High Solid Systems for Metal Substrates

Accelerator 2950
Co-Crosslinking
Accelerator

Aradur® 450
Aradur® 450-1 (S)
Surface tolerant
PAA-Adduct

Aradur® 3776 XW 55
Aradur® 30 XWM 55
Amine adducts for high
chemical resistance

Araldite® GZ 290X90
Modified Solid Resin

or

Araldite® GZ 7071X75
Araldite® GY 783
Blend of Solid/Liquid Resin

Aradur® 3275
Flexibilizing CA

Aradur® 3282-1
No Benzyl alcohol

Aradur® 3296
Highly reactive CA
to increase reactivity

Systems With Excellent Chemical Resistance

Aradur® 20315

Best chemical resistance
(Better with post cure at 80°C)
Food contact compliant (EU)

Aradur® 2973

High chemical
resistance

Aradur® 33641

Highly reactive CA
to increase reactivity
Food contact compliant (EU)

Araldite® GY 250

Bis A-Liquid Resin
Food contact compliant (EU)

Araldite® GY 289

Araldite® EPN 1183

Low viscosity
Novolak Resin based

Araldite® EPN 1180

Araldite® EPN 1180X80

Novolak Resins of
functionality = 3.6

Aradur® 3275

Flexibilizing CA

Aradur® 3776 XW 55

Aradur® 30 XWM 55

Good chemical resistance,
but containing solvents

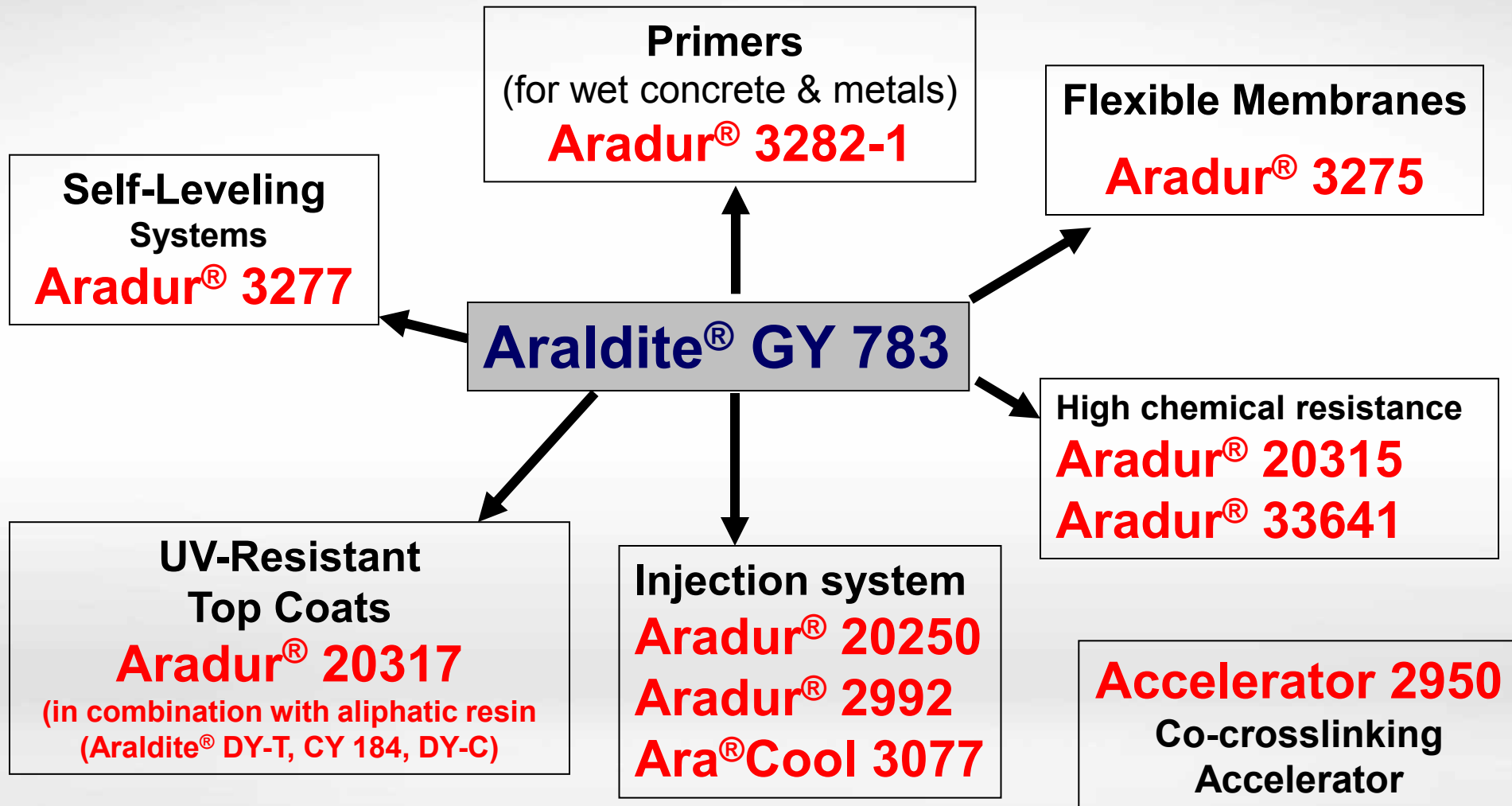
Accelerator 2950

Co-crosslinking
Accelerator

New Generation: 'Low Emission' Hardeners

- Curing agents have been developed according to latest German AgBB-guidelines for work places (actual emission limits can be achieved when formulated properly)
- Products do not contain non-reactive plasticizers and are free of
 - Benzyl Alcohol**
 - Nonylphenol**
 - Bisphenol A / Bisphenol F**
- Aradur 3277 and Aradur 3282-1 have been tested and certified by LGA-Nuremberg (Germany)
- Relative emission rates of < 2% compared to standard technology

AgBB Compliant Systems (VOC free system)



- Corrosion protection
- For mineral substrate
- For reasonable chemical resistance



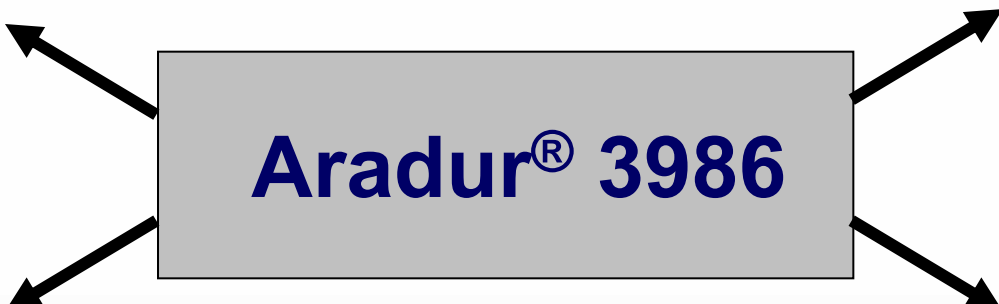
Waterborne Products for Corrosion Protection

**Primers & Topcoats showing excellent
adhesion to critical substrates**

Araldite® PZ 3961-1
(Solid Resin Dispersion, type1)

Solvent-free Primers

Araldite® PY 33757
(Waterdilutable
Liquid Resin, 100%)



Aradur® 3986

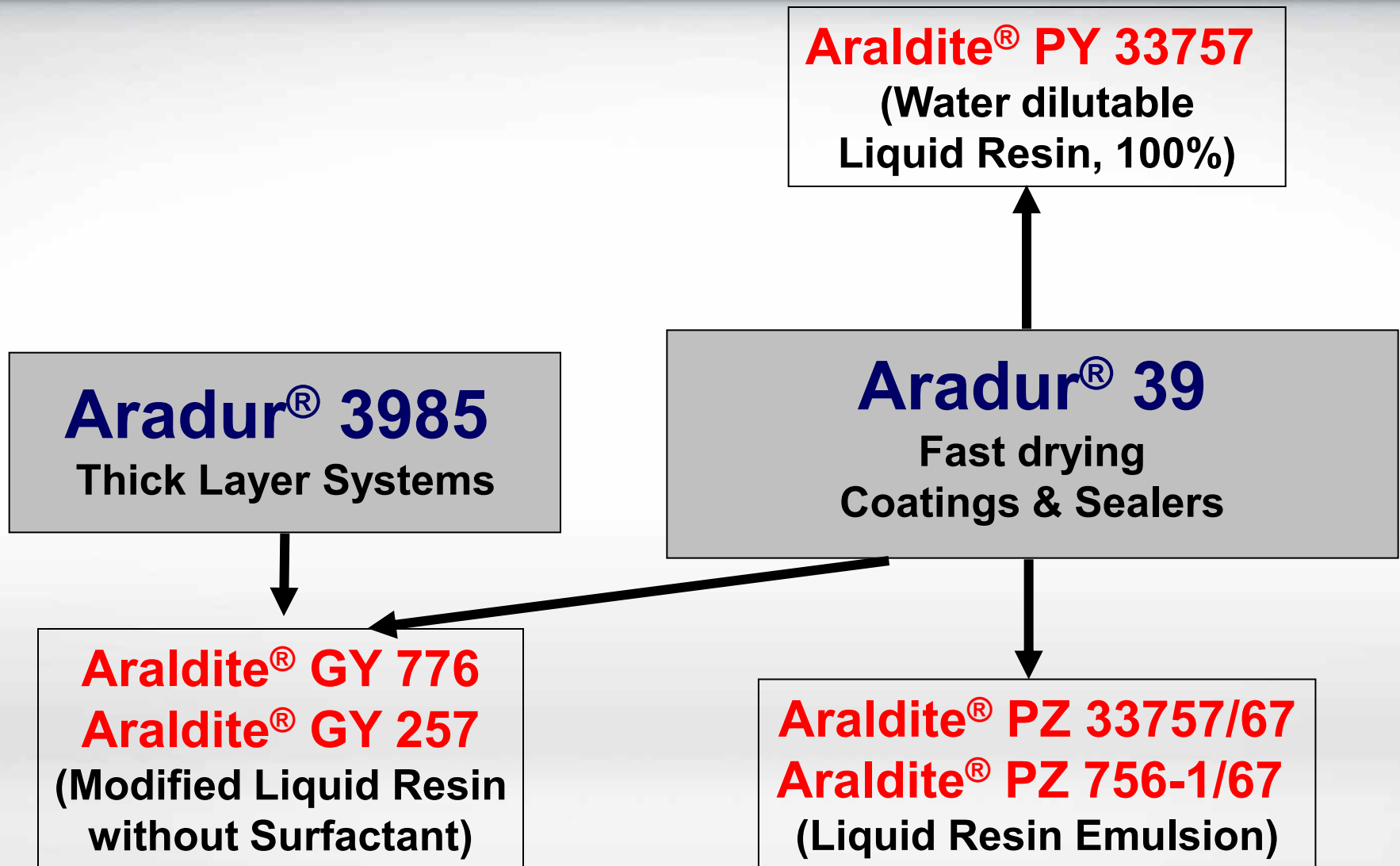
**Solvent-free Primers & Topcoats
offering good Chemical resistance**

Araldite® GY 776
(Modified Liquid Resin without
Surfactant)

Solvent-free Primers

Araldite® PZ 33757/67
Araldite® PZ 756-1/67
(Liquid Resin Emulsion)

Waterborne Systems for Mineral Substrates



Waterborne Systems for reasonable chemical resistance

Food contact compliant resin for Topcoat

Araldite® BY 157*

(Modified Liquid Resin without
Surfactant)

Solvent-free coating

Araldite® PY 33757

(Waterdilutable
Liquid Resin, 100%)

Aradur® 3987*

**Solvent-free Primers & Topcoats
offering good Chemical resistance**

Araldite® GY 776

(Modified Liquid Resin without
Surfactant)

Solvent-free coating

Araldite® PZ 33757/67

Araldite® PZ 756-1/67

(Liquid Resin Emulsion)

* Food compliance according to EU-legislation

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