

ipox<sup>®</sup>



Customized Epoxy

2019 / 2020

ipox® is a company with global reach which develops and creates custom epoxy technologies. We are owner managed: concept, production and sales remain in our hands. So we bring to you the very best of epoxy.



We commit  
to our promises

and we promise  
a lot.

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For example, that we will find the right individual solution for each of our customers. Our promise also means cost-efficient high-tech solutions and short response times. Quality is our top priority, because we know that the success of our customers depends on it.



## WHAT WE PROMISE

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- + Individual product development for our customers
- + Full service: development, production, application technology, distribution
- + Short response times
- + Cost-efficient high-tech solutions

We commit  
to our promises  
and that includes  
your project.

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#### What if standards don't offer the solution?

Every project has its own challenges. And if you cannot find the right product for your project among our more than 100 standard products, we will find an individual solution for you. We have already created over 200 specific product adaptations, such as achieving water solubility, emulsifiability or UV resistance. That's because an optimized product is a more cost-effective product and gives our business partners a clear competitive advantage. Completely new products are also possible, which our qualified employees develop in direct consultation with our customers. And we are only satisfied when our customers are satisfied. That's why we find the best possible solution for every project, even beyond the norms. **That's a promise.**

#### DR. GEORG GÖTTLE

Managing director ipox Germany

100+

Standard products  
(2018)

200+

Special modifications  
(2018)

We commit  
to our promises.  
Try us out today.

### So how fast can you convince yourself of the quality?

We don't just talk about quality, we produce it – constantly and reliably. We guarantee this through the careful selection of our suppliers, a consistent inspection of incoming raw materials and a seamless production workflow. Before finished products leave our premises, each one is checked once more against all specification parameters. Our quality standards are reflected not only in our products: the response times of our team are also exceptional. After one week at the latest, requested test samples are delivered free of charge to our customers' laboratories. **That's a promise.**

#### ZSÓFIA KABAY

Commercial director ipox Hungary

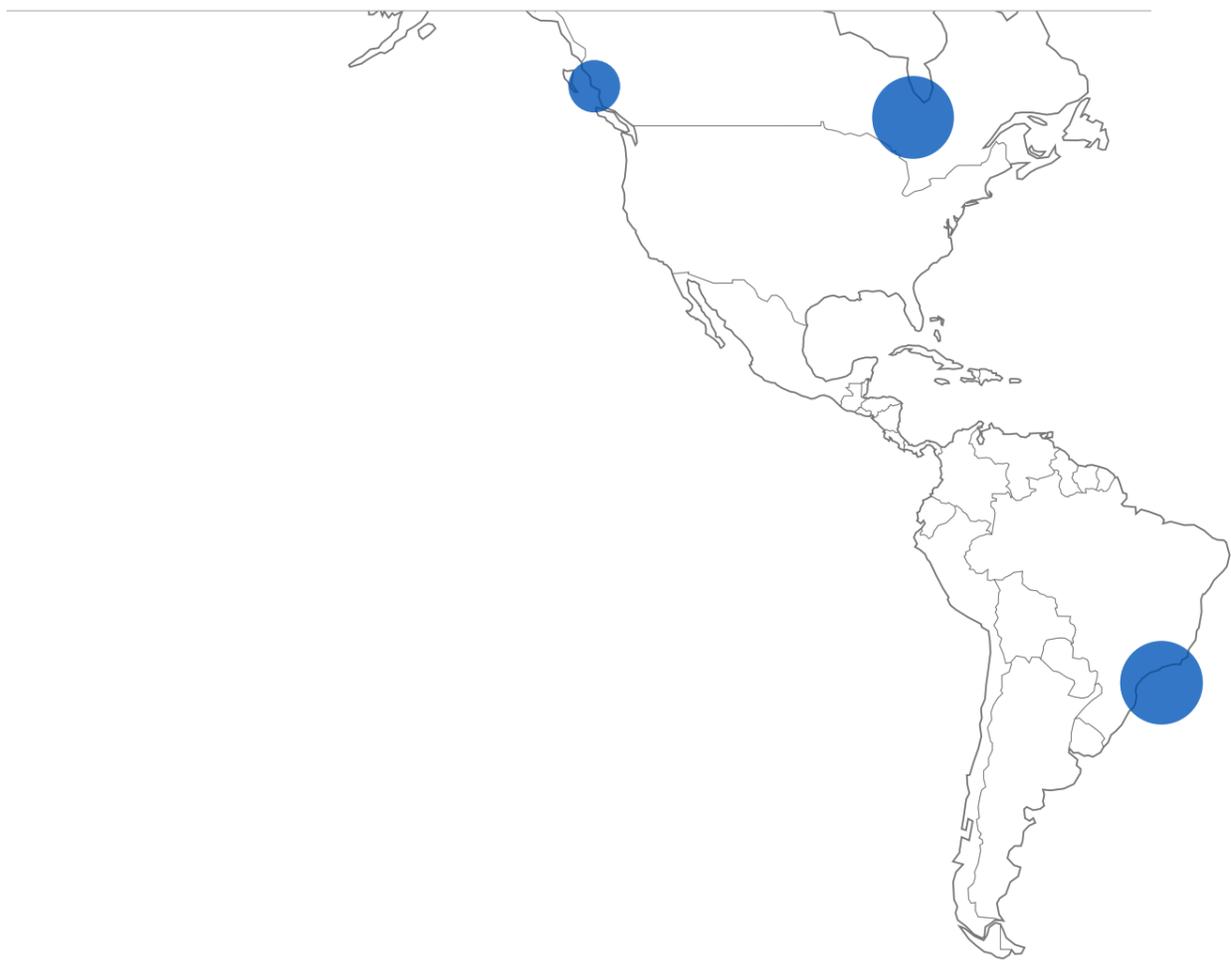
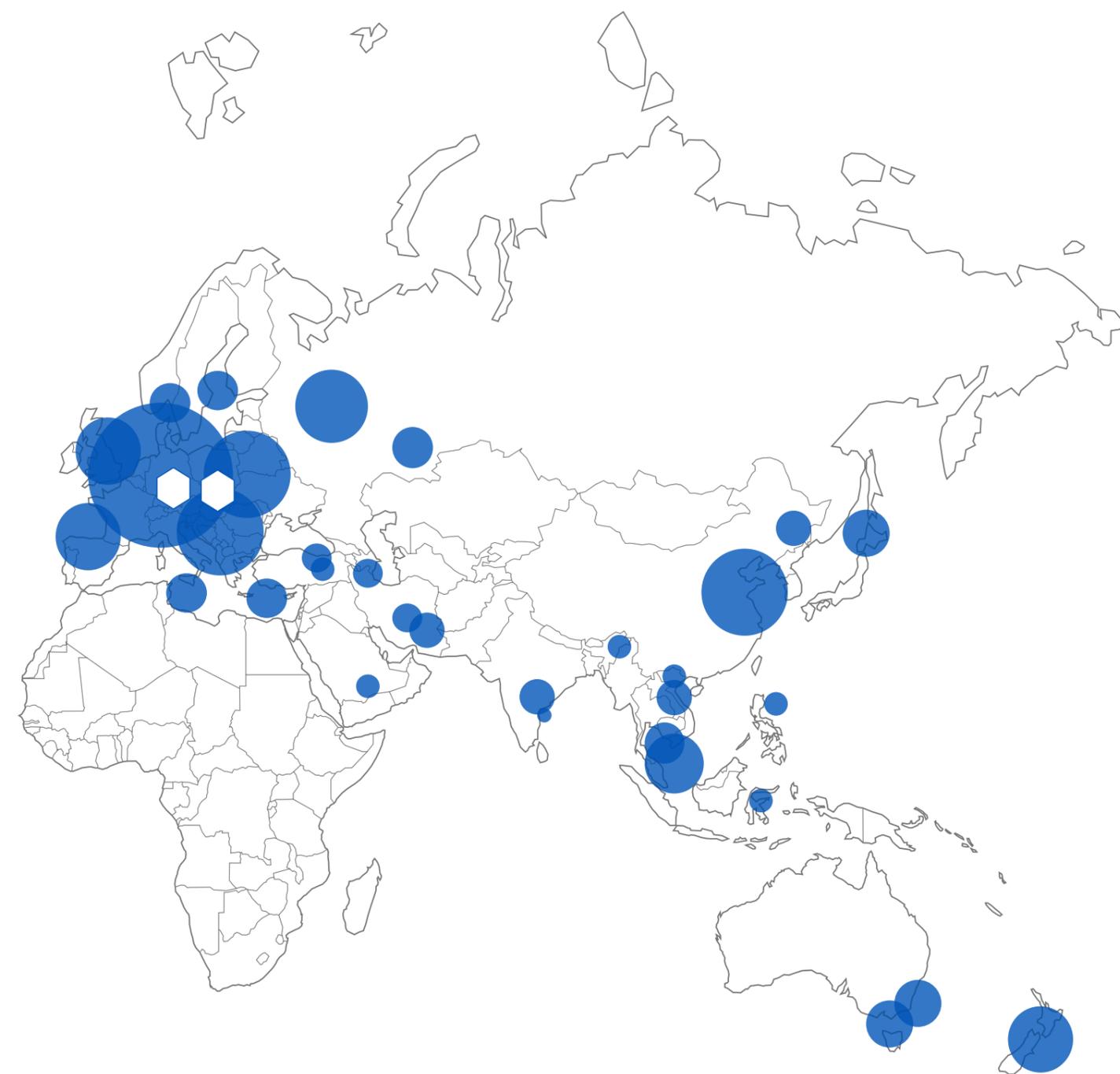
24/7  
Working hours



16  
Reactors

50 kg – 25 t  
Batch size

At ipox, everything revolves around epoxides – and it has been doing so for over 40 years. As early as the 1970s, research was carried out at our Budapest production site into polymer composites, which were revolutionary at the time; production technologies were developed. At that time, the foundations for today's success were established and a production plant was gradually constructed, which is now state of the art thanks to continuous investment. Through backward integration into epichlorohydrin chemistry, ipox now has a huge range of available components and regulators for epoxides at its disposal. Founded in 2009, ipox embarked on a new course by combining proven technologies profiting from the long years of experience and enthusiasm of today's owners.



- ⬡ ipox facilities
- partners

# We commit to our promises Even with water- based products.

## Can emissions and costs be reduced at the same time?

It can be done. A good example of this are our water-based epoxy systems: they are completely VOC- and emission-free, which offers ecological advantages both in processing and in use. In addition, our products have excellent mechanical and aesthetic properties. This has been confirmed by all our customers who have tested them to date. Anyone who tries them stays with them. At the same time, our water-based epoxy systems are much more cost-efficient: On the one hand, they use less material for floor coatings than conventional systems. On the other hand, ipox can develop and offer products more cost-effectively due to the streamlined corporate structures of a medium-sized company. In thus way, water-based epoxy systems from ipox can combine both freedom from emissions and significantly lower costs. **That's a promise.**

### FRANK GLASER

Managing director ipox Germany

9.000 t

Capacity epoxy hardener

3.000 t

Capacity glycidylether

10.000 t

Capacity modified epoxy resins

We commit  
to our promises.  
Right from  
the start.

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350+  
Clients

25+

Multinational corporations

### Is there a bond that will hold all the way through?

Not for nothing do we say: "We keep our promises". This is especially true when it comes to the permanent and strong adhesion of epoxy primers and the ensuing composition: for example, a coating, adhesive or sealant. We leave nothing to chance and test our customers' products in conjunction with ours – until we can guarantee the very best result. And this even under extreme climatic conditions such as low temperatures or very high humidity. Thanks to our many years of expertise in this field, we can guarantee that our bonds last, from the ground up. **That's a promise.**

#### MARCEL PRÜMMER

Technical sales ipox Laupheim



## REACTIVE DILUENTS

By means of ipox RD reactive diluents, epoxy resins can be efficiently thinned while their properties are modified in a targeted manner.



## ADHESIVE AGENTS / CROSS-LINKERS

ipox CL crosslinkers are special polyfunctional aliphatic epoxides. They improve the adhesion of surfaces. At the same time they improve the network density of paints – thus markedly increasing their mechanical properties.



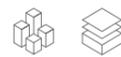
## EPOXY RESINS

Our modified epoxy resins ipox ER and ipox ER<sup>w</sup> are special and highly-innovative adaptations of standard epoxy resins. By means of our experience and with the help of our reactive diluents ipox RD, we are able to achieve an enormous range of individual adaptations.



## MODIFIED AMINE HARDENERS

ipox technologies are extremely resistant, safe and functional – and so the ideal solution for the construction industry: they are used in anything from the priming of concrete surfaces to the preparation of high-value industrial flooring.



## WATER-BASED AMINE HARDENERS

ipox EH<sup>w</sup> epoxy hardeners can be used to formulate epoxy systems with outstanding properties: Straightforward application to the object ; virtually odourless – without VOC and with no emissions!



### Construction Chemistry

ipox technologies are extremely resistant, safe and functional – and so the ideal solution for the construction industry: they are used in anything from the priming of concrete surfaces to the preparation of high-value industrial flooring.



### Fiber Industry

ipox technologies are flexible and adhere well; they ensure the correct surface structure of fibres, helping to minimize fibre breakage. They improve the adhesion of matrix systems, for example rubber on tyre-cord or reaction resin on glassfibre. And they are fast to prepare, saving time and money.



### Production of Finishing Chemicals

ipox technologies improve the performance of finishing chemicals – from detergents through leather and textile chemicals, paints and plastics to speciality products for the oil industry. With ipox, you will improve your quality and exceed the highest technical demands.



### Composite Materials Manufacturer

ipox technologies enable the best contact for the strongest composites. Our innovative and highly-specialised products provide the optimum building blocks for particulate composites, fibre-reinforced composites and laminates.



### Paint and Coatings Industry

The ipox range includes various special products for the paint and coatings industry. Reduction of VOCs, improvement of toxicological properties and stringent requirements for UV resistance in coating systems are our focus.

Our epoxy technologies are used in all kinds of applications. Depending on the special requirements of a particular application, we adapt existing products without delay – or we initiate a development process together with our clients. Among epoxy components we also offer proven epoxy systems. Please ask for details!



## Cycloaliphatic epoxy resin based on hydrogenated bisphenol-A

In the field of thin-film applications for paints and coatings, completely new hybrid systems have emerged in recent years. Aliphatic or cycloaliphatic epoxy resins – in particular ipox ER 15 – are combined with silicone resins (e.g. SILRES® HP 2000 or Dow Corning® 3055).\*

- for high tech paint formulations with silicon resins: excellent UV stability, very high gloss stability, perfect corrosion protection
- well-proven component for 3D print / stereolithography (SLA)



## The VOC-free rapid hardener

The industry standard for fast hardeners were for decades, the so-called „Mannich bases“, which were, however, formulated on the basis of phenol or alkyl-phenols. Considering the poor toxicological evaluation of these ingredients it became an important goal of ipox to develop environmentally appropriate rapid hardeners – without the GHS 08 label – but with the properties of Mannich bases. With ipox EH 2216, a hardener is now available, which meets these requirements for rapid hardening even at low temperatures – and at the same time fully meets the requirements of an advantageous toxicological classification.

- ipox EH 2216 has a low viscosity and is best suited for low temperatures down to 5°C
- Thanks to its low yellowing tendency, it is also an ideal product for top coats



## The perfect curing agent for waterborne epoxy systems

Typical applications are coatings up to 4 mm thick, either self-levelling or applied by roller. You can continue using the product for a long time. After a quick hardening, even at low temperatures, you will receive a semi-matt surface. Convince yourself! We will be glad to send you free samples of our epoxy resin hardeners and support you with a suggested formulation.

- the ultimate choice for industrial coating and flooring
- ultra low emission, no VOCs, practically odor free!
- Impressive properties at surprisingly low cost



## A monofunctional reactive diluent based on 2-ethylhexanol

Polymers may be emulsified by reactive modification with ipox RD 17 so that mineral oils, for example, can be used as drilling oil emulsions. This ensures better cooling capability and a reduction in costs.

- ipox RD 17 has the best dilution performance of all ipox glycidyl ethers
- The product allows the formulation of self-emulsifying epoxy resins



## An aliphatic multifunctional epoxy resin based on glycerine.

Epoxy resins reactively modified with ipox CL 12 exhibit faster hardening with hardeners based on cycloaliphatic amines, especially at low temperatures.

- ipox CL 12 has a low viscosity
- Excellent wetting of fillers, fibres or industrial textiles



## A difunctional reactive diluent based on neopentylglycol

A very interesting property is the excellent hardening of epoxy systems modified with ipox RD 14. Especially at low temperatures they show more rapid strengthening.

- ipox RD 14 reduces viscosity and enables a very high chemical resistance
- Alternative to 1,6-hexanediol diglycidylether (CAS 16096-31-4)

## GLYCIDYL ETHERS / REACTIVE DILUENTS



Product	Chemical Name	Structure	CAS	EEW g/eq	Visco. $\eta^{25}$ mPa·s	GCN* max	Properties
RD 3	1,4-Butanediol-diglycidylether		2425-79-8	130 – 145	12 – 22	1	<ul style="list-style-type: none"> <li>· best difunctional diluent</li> <li>· mechanical properties are little influenced</li> <li>· very good solvent resistance</li> </ul>
RD 14	Neopentylglycol-diglycidylether		17557-23-2	150 – 160	15 – 25	2	<ul style="list-style-type: none"> <li>· comparable to ipox RD 18</li> <li>· improved cost/ performance ratio</li> <li>· low volatility</li> </ul>
RD 17	2-Ethyl-Hexyl-glycidylether		2461-15-6	210 – 230	2 – 4	1	<ul style="list-style-type: none"> <li>· excellent diluting properties</li> <li>· moderate smell</li> <li>· emulsifying properties</li> </ul>
RD 18	1,6-Hexanediol-diglycidylether		16096-31-4	147 – 161	15 – 25	1	<ul style="list-style-type: none"> <li>· excellent mechanical properties</li> <li>· low volatility</li> <li>· excellent chemical resistance</li> </ul>
RD 19	Polyoxypropylenglycol-diglycidylether		26142-30-3 Polymer	280 – 350	30 – 70	1	<ul style="list-style-type: none"> <li>· for impact-resistant resin systems</li> <li>· hydrophobic character</li> </ul>
RD 20	Trimethylolpropan-polyglycidylether		30499-70-8 Polymer	140 – 150	120 – 180	2	<ul style="list-style-type: none"> <li>· increases reactivity of epoxy resins</li> <li>· high degree of crosslinking</li> <li>· retention of HDT</li> <li>· good diluting properties</li> </ul>
RD 21	Poly(tetramethylen-oxid)-diglycidylether		26951-52-0 Polymer	395 – 445	140 – 190	2	<ul style="list-style-type: none"> <li>· for impact-resistant resin systems</li> <li>· hydrophobic character</li> </ul>
RD 24	C <sub>12</sub> -C <sub>14</sub> -glycidylether		68609-97-2	270 – 313	5 – 10	1	<ul style="list-style-type: none"> <li>· excellent diluting properties</li> <li>· hydrophobic character</li> <li>· low volatility</li> </ul>
RD 61	C <sub>12</sub> -C <sub>14</sub> -EOx-glycidylether		Polymer	470 – 500	15 – 25	2	<ul style="list-style-type: none"> <li>· for impact-resistant resin system</li> <li>· hydrophobic character</li> </ul>

## ADHESION PROMOTERS / CROSSLINKERS



Product	Chemical Name	Structure	CAS	EEW g/eq	Visco. $\eta^{25}$ mPa·s	GCN* max	Water Solubility	Properties
CL 9	Polyglycerol-3-polyglycidylether		118549-88-5 25038-04-04 Polymer	160 – 180	1100 – 1350	4	-	<ul style="list-style-type: none"> <li>· aliphatic epoxy resin</li> <li>· high degree of crosslinking</li> </ul>
CL 12	Glycerol-polyglycidylether		90529-77-4	140 – 150	160 – 200	1	-	<ul style="list-style-type: none"> <li>· good diluting properties</li> <li>· excellent wetting properties</li> <li>· hydrophilic character</li> </ul>
CL 12W	Glycerol-polyglycidylether		90529-77-4	130 – 150	120 – 180	1	+	<ul style="list-style-type: none"> <li>· good diluting properties</li> <li>· excellent wetting properties</li> <li>· hydrophilic character</li> </ul>
CL 16	Pentaerythrol-polyglycidylether		3126-63-4 30973-88-7 Polymer	156 – 170	900 – 1200	2	-	<ul style="list-style-type: none"> <li>· aliphatic epoxy resin</li> <li>· high degree of crosslinking</li> </ul>
RD 20	Trimethylolpropane-polyglycidylether		30499-70-8 Polymer	140 – 150	120 – 180	2	-	<ul style="list-style-type: none"> <li>· good diluting properties</li> <li>· aliphatic epoxy resin</li> <li>· hydrophobic character</li> </ul>
CL 60	Polyglycidylether of ethoxylated Trimethylolpropane		Polymer	370 – 490	240 – 380	4	+	<ul style="list-style-type: none"> <li>· aliphatic epoxy resin</li> <li>· high hydrophilic character</li> <li>· good water solubility</li> </ul>

## CYCLOALIPHATIC EPOXY RESIN



Product	Chemical Name	Structure	CAS	EEW g/eq	Visco. $\eta^{25}$ mPa·s	GCN* max	Properties
ER 15	Diglycidylether of hydrogenated BPA		13410-58-7 30583-72-3	225 – 245	2000 – 3700	1	<ul style="list-style-type: none"> <li>· cycloaliphatic epoxy resin</li> <li>· high hydrophobic character</li> </ul>
ER 15-1	Diglycidylether of hydrogenated BPA		13410-58-7 30583-72-3	210 – 225	1500 – 2500	1	<ul style="list-style-type: none"> <li>· cycloaliphatic epoxy resin</li> <li>· high hydrophobic character</li> <li>· lower total chlorine content compared to ipox ER 15</li> </ul>

## WATER EMULSIFIABLE EPOXY RESINS / EPOXY EMULSIONS



Product	Chemical Base	EEW g/eq	Visco. $\eta^{25}$ mPa·s	Solid Content %	GCN* max	Application
ER 1030W	Bisphenol-A-diglycidylether polymer reactive emulsifier	188–198	9000 - 13000	100	3	· water emulsifiable epoxy resin for preparation of epoxy emulsions · 100% reactive emulsifier  → All ingredients are listed in "coating guideline" annex 1, German Umweltbundesamt (03/2016)
ER 1031W	Bisphenol-A-diglycidylether	180–200	7500 - 12000	100	1	· water emulsifiable epoxy resin for preparation of epoxy emulsions
ER 1030-6W	Bisphenol-A-diglycidylether bifunctional RD	165–185	500–800	100	2	· water emulsifiable epoxy resin · with ipox EH 2082 washable grouts  → All ingredients are listed in "coating guideline" annex 1, German Umweltbundesamt (03/2016)
ER 1035W	waterborne epoxy resin	255–285	50–130	66–68	white emulsion	· liquid resin emulsion used for waterborne paints and coatings
ER 1100W	Bisphenol-A/F-diglycidylether	180–190	6000–8000	100	2	· aqueous dispersion paints, adhesives
ER 1100-8W	Bisphenol-A/F-diglycidylether bifunctional RD	165–185	750–950	100	1	· water emulsifiable epoxy resin

## MODIFIED EPOXY RESINS



Product	Chemical Base	EEW g/eq	Visco. $\eta^{25}$ mPa·s	GCN* max	Properties
ER 1010	Bisphenol-A-diglycidylether	180–196	10000–14000	1	· solventfree epoxy system
ER 1011	Bisphenol-A-diglycidylether (solid)	475–550	solid	-	· solventfree and solventbased epoxy coatings · industrial and powder coatings
ER 1016	Bisphenol-F-diglycidylether	159–175	3000–7000	1	· solventfree epoxy system · high chemical resistance
ER 1020	Bisphenol-A-diglycidylether monofunctional RD	190–205	900–1500	1	· solventfree epoxy system · hydrophobic character · improved wetting of the fillers and substrate
ER 1022	Bisphenol-A-diglycidylether monofunctional RD	189–213	700–1000	2	· solventfree epoxy system · hydrophobic character · chemical resistance coatings
ER 1042	Bisphenol-A/F-diglycidylether monofunctional RD	185–200	900–1200	1	· solventfree epoxy system · hydrophobic character · improved wetting of the fillers and substrate
ER 1042-7	Bisphenol-A/F-diglycidylether monofunctional RD	185–200	500–900	1	· solventfree epoxy system · lower viscosity than ipox ER 1042
ER 1042-5	Bisphenol-A/F-diglycidylether monofunctional RD	190–205	400–600	1	· solventfree epoxy system · lower viscosity than ipox ER 1042-7
ER 1044	Bisphenol-A/F-diglycidylether; contains benzylic alcohol	200–225	850–1050	2	· primer- and injection resin in construction
ER 1052	Bisphenol-A/F-diglycidylether bifunctional RD	164–176	600–900	1	· solventfree epoxy system · fast curing · very good solvent resistance
ER 1052-5	Bisphenol-A/F-diglycidylether bifunctional RD	164–176	450–650	1	· solventfree epoxy system · lower viscosity than ipox ER 1052
ER 1052-9	Bisphenol-A/F-diglycidylether bifunctional RD	164–176	700–1000	1	· solventfree epoxy system · higher viscosity than ipox ER 1052
ER 1054	Bisphenol-A/F-diglycidylether bifunctional RD	160–180	900–1400	1	· solventfree epoxy system · very good chemical resistance
ER 1062	Bisphenol-A/F-diglycidylether bifunctional RD	172–188	700–1000	1	· solventfree epoxy system · very good chemical resistance
ER 1092-1	Bisphenol-A/F-diglycidylether elastified	375–415	6500–9500	2	· elastified epoxy systems

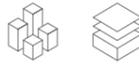


Product	Chemical Base	HEW g/eq	Visco. $\eta^{25}$ mPa·s	Gel Time (min) 100g,23°C,DGEBA	GCN* max	Description	alkylphenol free	zero VOC**
EH 2021	modified cycloaliphatic polyamine	87	15 – 35	40	1	· primer, high filled coatings and mortars · low viscosity	✓	
EH 2022	modified cycloaliphatic polyamine	87	40 – 80	25	4	· faster curing compared to ipox EH 2021	✓	
EH 2041	modified cycloaliphatic polyamine	95	125 – 225	50	2	· excellent surface properties · very good chemical resistance · fast curing at T > 10°C · long workability time · low tendency to yellowing	✓	
EH 2042	modified cycloaliphatic polyamine	95	275 – 375	25	2	· faster curing compared to ipox EH 2041 · very good curing at T > 7°C,	✓	
EH 2043	modified cycloaliphatic polyamine	95	200 – 400	25	3	· faster curing compared to ipox EH 2042 · very good curing at T > 7°C	✓	
EH 2044	modified cycloaliphatic polyamine	87	120 – 230	55	1	· excellent surface properties · very good chemical resistance · fast curing at T > 10°C · long workability time · very low tendency to yellowing	✓	
EH 2046-1	modified cycloaliphatic polyamine	75	10 – 30	90	4	· low viscosity · curing agent of injection systems		
EH 2046-2	modified cycloaliphatic polyamine	70	10 – 30	150	2	· low viscosity · long processing time · curing agent for injection systems		
EH 2047	modified cycloaliphatic polyamine	75	200 – 300	30	1	· excellent surface properties · curing at T > 10°C · low tendency to yellowing	✓	
EH 2048	modified cycloaliphatic polyamine	95	50 – 200	25	1	· curing at T > 10°C · very low tendency to yellowing · tough elastic modified	✓	
EH 2049	modified cycloaliphatic polyamine	95	100 – 200	60	1	· excellent surface properties · long workability time · very low tendency to yellowing · excellent early water spot resistance	✓	
EH 2061	modified cycloaliphatic polyamine	92	150 – 250	100	1	· excellent surface properties · long workability time · very low tendency to yellowing	✓	
EH 2062	modified cycloaliphatic polyamine	100	350 – 600	45	1	· faster curing compared to EH 2061 · very good chemical resistance · very low tendency to yellowing	✓	
EH 2064	modified aliphatic polyamine	83	240 – 320	40	1	· 100% reactive components · low tendency to yellowing	✓	✓

Product	Chemical Base	HEW g/eq	Visco. $\eta^{25}$ mPa·s	Gel Time (min) 100g,23°C,DGEBA	GCN* max	Description	alkylphenol free	zero VOC**
EH 2072	modified cycloaliphatic polyamine	115	350 – 450	40	1	· excellent surface properties · long workability time · very low tendency to yellowing · excellent early water spot resistance	✓	
EH 2078	modified cycloaliphatic polyamine	122	3500 – 6500	30	3	· very good surface · very good chemical resistance · curing at T > 10°C	✓	
EH 2081-1	modified cycloaliphatic polyamine	63	60 - 160	70	11	· hardener for water washable tile grouts	✓	
EH 2082	modified cycloaliphatic polyamine	44	75 - 175	70	3	· emulsifiable · with ipox ER 1030-6W for water washable tile grouts	✓	
EH 2092	modified cycloaliphatic polyamine	120	450 – 650	40	6	· hardener for elastified epoxy systems like ipox ER 1092	✓	
EH 2121	modified cycloaliphatic polyamine	91	200 – 400	45	8	· moisture barrier on humid substrate · excellent adhesion to PUR · long processing time · low viscosity	✓	✓
EH 2122	modified cycloaliphatic polyamine	115	600 – 800	30	8	· moisture barrier on humid substrate · excellent adhesion to PUR · fast curing	✓	✓
EH 2125	modified polyamine	109	600 – 800	40	8	· excellent adhesion on wet concrete · moisture barrier on humid substrate · low viscosity · very hydrophobic	✓	✓
EH 2212	MXDA-Mannichbase	85	450 – 750	15	5	· curing at T > 5°C · very good chemical resistance · reactive accelerator		✓
EH 2213	MXDA-Mannichbase	75	400 – 600	15	5	· lower viscosity than ipox EH 2212 · improved surface properties		✓
EH 2215	MXDA-Mannichbase	70	575 – 700	15	5	· fast curing at T > 5°C · very good chemical resistance · reactive accelerator		✓
EH 2216	cycloaliphatic amine	64	650 – 850	12	5	· low temperature hardener · very fast curing	✓	✓
EH 2240	MXDA-ACN-Adduct	102	120 – 220	> 4h	1	· for tough elastic systems with improved chemical resistance · co-hardener	✓	✓
EH 2350	modified polyamino-amide	115	600 – 1200	60	8	· excellent adhesion on wet concrete and steel · low viscosity · very hydrophobic · can be accelerated with ipox EH 2212 or ipox EH 2216		
EH 2900	tertiary amine		90 – 300		8	· catalyst, accelerator	✓	✓

\* Gardener Color Number \*\*according to decopaint directive 2014/42/EU and solvent directive 1999/13/EC

## EMULSIFIABLE EPOXY HARDENERS



Product	Chemical Base	HEW g/eq	Visco. $\eta^{25}$ mPa·s	Solid Content %	GCN* max	Description	alkylphenol free	zero VOC**
EH 2410W	modified polyamine-adduct in water	220	11000–21000	64–66	6	· excellent adhesion on wet concrete and steel · fast drying and curing	✓	✓
EH 2460W	modified polyaminoamide	210	25000–50000	49–51	16	· excellent adhesion on wet concrete and steel · with solid epoxy dispersions suitable for corrosion protection coatings · with liquid epoxy resin for pigmented roller coats in civil engineering	✓	✓
EH 2465W	modified polyamine-adduct in water	300	5000–10000	49–51	8	· hardener for waterborne epoxy coatings and impregnations · emulsifies liquid epoxy resins · low viscosity · very low odour	✓	✓
EH 2471W	modified polyamine-adduct in water	300	5000–10000	53–57	emulsion	· hardener for waterborne epoxy coatings, impregnations and self-levelling coatings	✓	✓



Over 45 Years  
of success  
in customizing  
epoxy

\* Gardener Color Number \*\*according to decopaint directive 2014/42/EU and solvent directive 1999/13/EC

Do you have any questions about our epoxy technologies?  
Are you looking for epoxy technologies that don't yet exist?  
We are ready to offer advice.

For the construction industry, the coatings industry or fibre manufacturers through to manufacturers of fine chemicals and composite materials: your contact partner at ipox will develop with you a suitable solution for your individual requirements.

Learn more about our company and its multi-faceted product line at [ipox-chemicals.com](http://ipox-chemicals.com).



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